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MATERNAL and CHILD HEALTH SERVICES · 1963

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MATERNAL AND CHILD HEALTH SERVICES, 1963

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
WELFARE ADMINISTRATION
Childen's Bureau
1965

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This report includes statistics for the United States and for each reporting State on--

MOTHERS receiving selected maternity services (including educational services)

INFANTS AND OTHER CHILDREN receiving nursing care, clinic services, inpatient hospital care, well child conference services, or immunizations

SCHOOL CHILDREN receiving examinations by physicians, screening for visual, dental, or hearing defects, or immunizations

The Children's Bureau gratefully acknowledges the cooperation of the State health departments in collecting the data summarized in this report.

Suggestions for improving the report and increasing its usefulness are invited. They should be addressed to the Child Health Studies Branch of the Children's Bureau.

SYMBOLS USED IN TABLES:

Class or item not applicable, because service not included in State plan	...
Data not available	---
Quantity zero	-
Rate or percent more than zero but less than 0.05	0.0

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MATERNAL AND CHILD HEALTH SERVICES, 1963

SUMMARY

The program of maternal and child health services, authorized under Title V of the Social Security Act, is designed to assist the States and outlying areas in promoting and improving the health of mothers and children. Health departments in 50 States, the District of Columbia, Guam, Puerto Rico, and the Virgin Islands participate in the program. The States differ considerably in the emphasis given to various services, and the individual States vary their own programs from year to year, stimulating progress in the effort to protect and conserve the health of children and their mothers.

Among the services most commonly provided are well child conferences, public health nursing visits to mothers and children, maternity clinic services, immunizations, and examination of school children.

In this summary comparisons are made between rates for the current year and the median rates for the preceding seven years. Use of the median modifies the effect of extreme variations in services in the preceding years.

Note: For convenience of discussion throughout this report, States, Territories, and similar types of jurisdictions will be uniformly referred to as States.

FIGURE 1 SELECTED MATERNITY SERVICES, NUMBER SERVED - UNITED STATES: 1956 - 1963

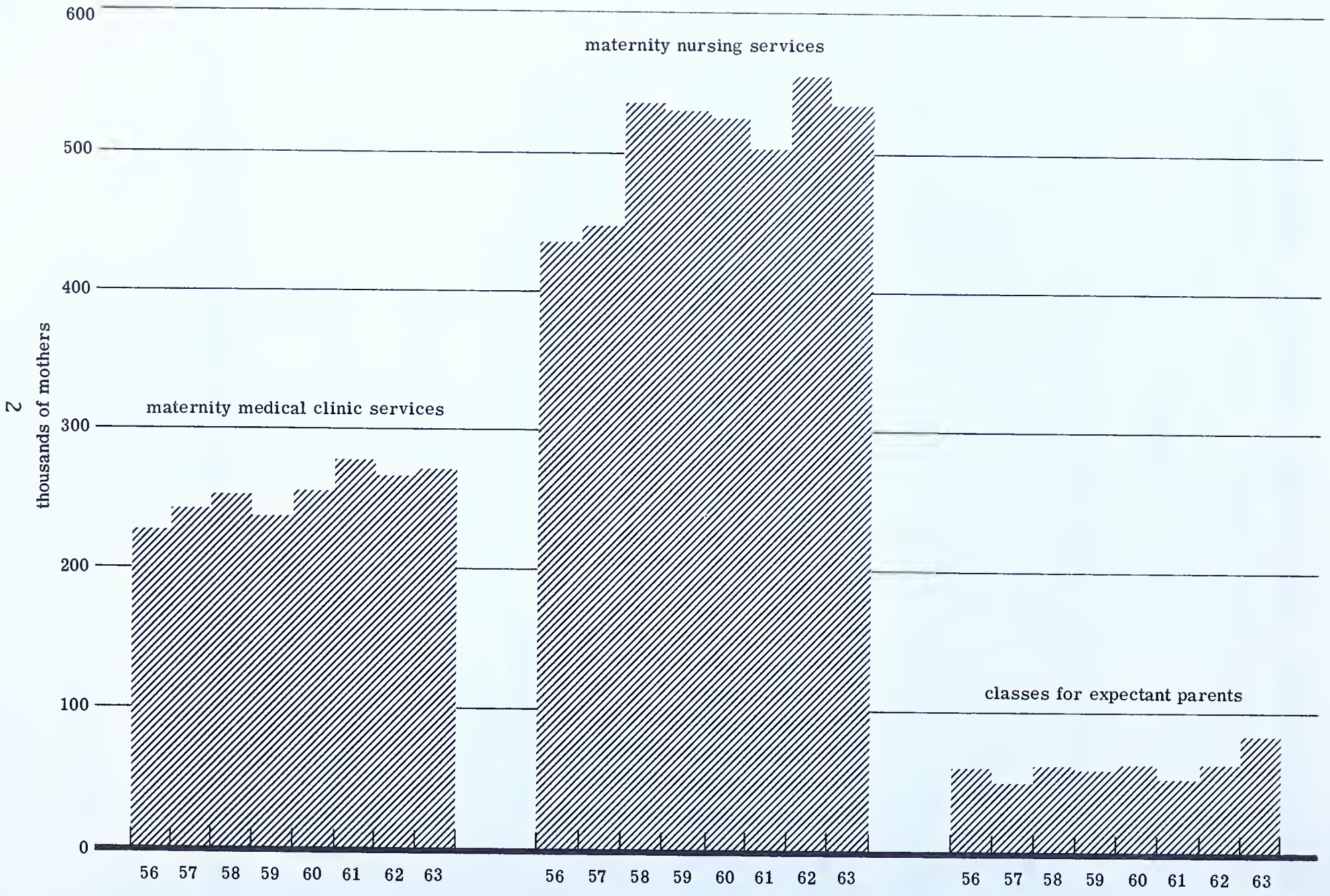


FIGURE 2 MATERNITY MEDICAL CLINIC SERVICE, PERCENT OF LIVE BIRTHS, 1963

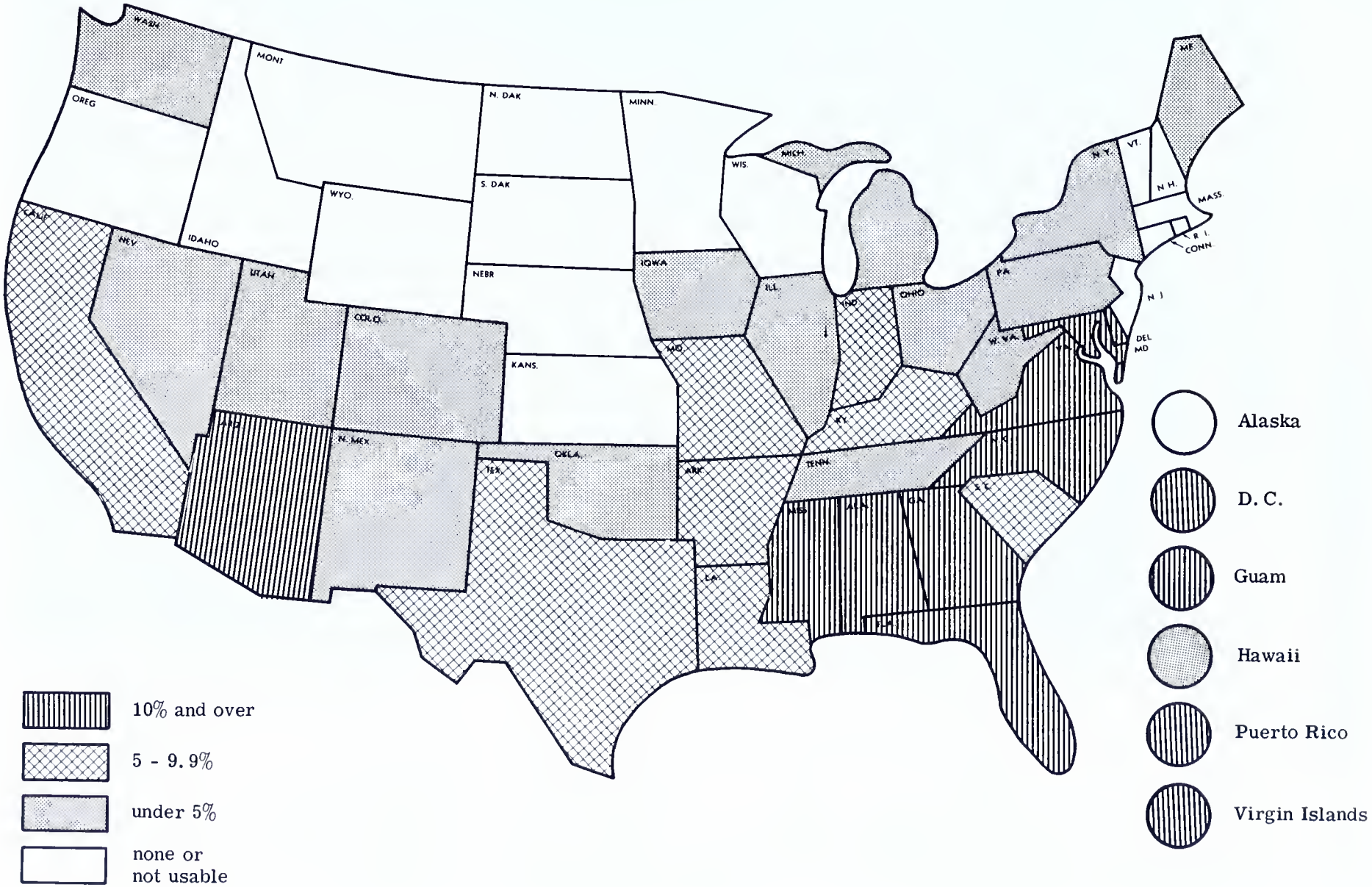


FIGURE 3 MATERNITY MEDICAL CLINIC SERVICE,
Percent of cases carried over and new, 1963

SERVICES FOR MOTHERS

During 1963, maternity nursing services were provided for 534,044 mothers in 52 States; and maternity clinic services were provided for 271,084 mothers in 37 States reporting the service. The number of mothers reached has tended to increase over the years, although the trend has been somewhat irregular (Figure 1 and Table 1). In 1963, medical clinics under the maternal and child health program served 6.5 percent of the mothers in all areas, an increase of 12.1 percent over the median percentage.

Type of service	Mothers served, 1963		Median percent of live births 1956-1962	Percentage change in proportion of mothers served
	Number	Percent of live births		
Medical clinics.....	271,084	6.5	5.8	+12.1
Public health nursing..	534,044	12.8	12.1	+5.8

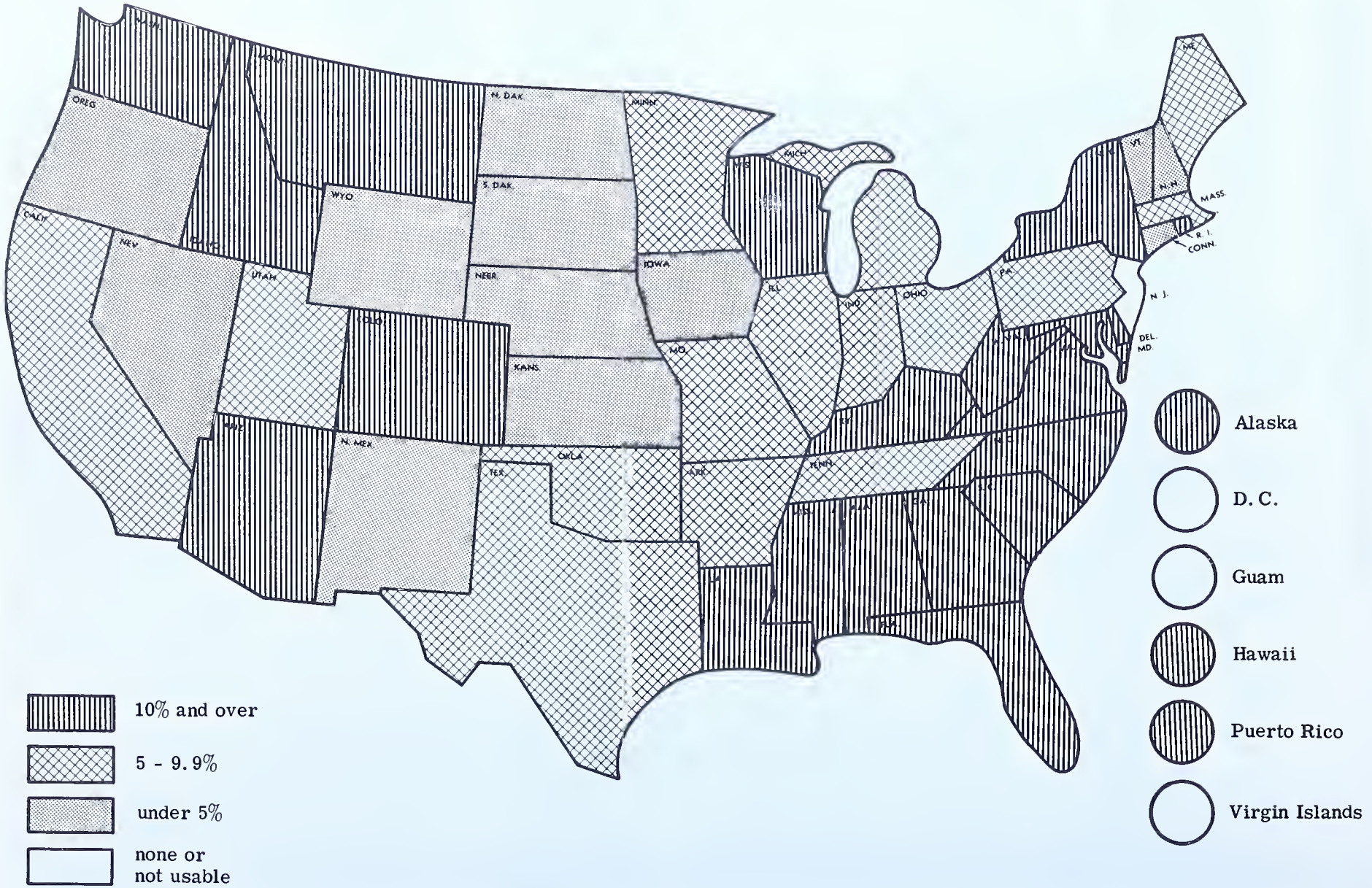
The wide range of individual State percentages for maternity medical clinic service may be observed in Figure 2 and detailed Table 3, column 1. Highest among the States were Virgin Islands (98.6), Guam (83.2), Puerto Rico (73.3), Alabama (26.9), District of Columbia (21.6), Mississippi (19.8), and Georgia (19.1). Seventeen States reported no services at all, and 3 others reported less than 1 percent of mothers served by these clinics.

The percent of maternity clinic cases carried over from the preceding year is a statistical indication of some continuity of maternity care. On the average, about one-fifth of the mothers in maternity clinics were carried over from the preceding calendar year. In 1963, only 2 States--Guam and Iowa--reported more than one-half of their cases carried over from the preceding year (Figure 3 and Table 4).

Maternity Clinic Service
Percent of Cases Carried Over From Previous Year

1956	1957	1958	1959	1960	1961	1962	1963
23.0	24.9	19.5	18.8	20.2	27.3	23.4	20.6

FIGURE 4 MATERNITY NURSING SERVICE, PERCENT OF LIVE BIRTHS, 1963



Metropolitan Versus Nonmetropolitan

On the whole, MCH medical clinic service to mothers in nonmetropolitan counties seems to be given special emphasis. In 1963, slightly more than half (55.7%) of the mothers served in MCH clinics resided in metropolitan counties (Table 2). But nearly 2/3 of the babies were born in metropolitan counties. Hence, the percent of medical clinic service was lower (6.4 percent) for mothers in metropolitan counties than for mothers in nonmetropolitan counties (9.7 percent) (Table 3).

There was wide variation among the States, with services in some confined to one or the other type of county, metropolitan or nonmetropolitan, and services in other States distributed among both county types. Several States, with Puerto Rico in the lead, had appreciable percentages of service in both metropolitan and nonmetropolitan counties. In four States, services were reported only for metropolitan counties; in this group, District of Columbia had the highest percentage. On the other hand, in five States, these medical clinic services were entirely in nonmetropolitan settings; Virgin Islands had the highest percentage of service in this group.

Public Health Nursing for Maternity Cases

Maternity nursing service, which shows a 5.8% increase over the median percent, reached more than half a million mothers in 1963--12.8 percent of the total mothers and nearly twice the number of mothers receiving any other MCH service. Twelve States served less than 5 percent of their live births and 23 States served more than 10 percent. South Carolina reports show the highest percent (72.4) and New Mexico the lowest (0.2) (Table 5 and Figure 4).

Hospital Maternity Care

Fourteen States reported hospital inpatient care for maternity cases in 1963, with 39,142 mothers given such care. There were wide differences among the States in both number of mothers served and average number of days in hospital (Table 6), differences due in part to special programs in some States and perhaps in part to variations in definitions.

Virgin Islands reported care in the hospital for more than half of the mothers delivered in 1963, and District of Columbia reported hospital care for 36.4 percent of their mothers. Colorado, serving only 0.2 percent of the mothers, shows an average hospital stay of 13.0 days, or three times the average for the other States reporting. For purposes of study, Colorado's Special Project on Premature Prevention made a special effort to hospitalize gravidas when even the slightest danger was present. Reports from most

States may represent the usual hospital stay for delivery. The trend of hospital inpatient care for mothers, combined for all States (see Table 7 and Figure 5), appears to have been fairly constant.

Classes for Parents

Thirty-six States provide classes in which expectant parents may receive instruction in prenatal care and care of the newborn. In 1963, 83,056 parents, representing 2.0 percent of the live births, attended these classes (Table 1 and Figure 1). The irregular fluctuations in the national rate of attendance from 1956 to 1962 were due primarily to larger variations in reporting from a few States; similarly, certain large State increases account for the marked national increase from 1962 to 1963.

Classes for Expectant Parents
Percent of live births

1956	1957	1958	1959	1960	1961	1962	1963
1.4	1.1	1.4	1.3	1.5	1.2	1.1	2.0

Midwifery

There has been a gradual decline in the use of midwife services over a period of years. According to reports for 1963, 7,412 midwives were practicing in 28 States, largely southern areas.

Midwife Services

	1956	1957	1958	1959	1960	1961	1962	1963
Number of midwives.....	9,205	10,041	9,600	6,605	8,446	7,750	7,236	7,412
Midwives attending classes.	7,580	6,588	6,445	6,227	5,751	4,054	4,939	4,698
Midwife deliveries supervised by health departments.....	8,930	8,494	7,612	6,718	6,470	7,136	5,878	*5,521

*Includes 3,744 reported by Virginia and 1,240 by Virgin Islands.

More than half of these midwives attended classes that are available to them in 17 States. Health department supervision was provided for 5,521 deliveries attended by midwives in 1963. But this supervision was largely confined to two States: Virgin Islands where there were 1,240 midwife deliveries attended by health department members, and Virginia where there were 3,744. Differences in definition may account for a large part of the variation among States. In Table 8 are presented certain statistics relating to midwifery practices, with the States listed in order of their respective percents of live births delivered by midwives.

Dental Care for Mothers

Only 14 States include dental treatment for mothers in their MCH programs. In 1963, 15,911 mothers (1.3 percent of all mothers in these 14 States) received dental treatment and more than two-thirds of them (10,912) were located in Puerto Rico and South Carolina.

Dental Treatment for Maternity Cases

State	Number of mothers	Percent of live births
Total.....	15,911	1.3
Alabama.....	19	0.0
Delaware.....	121	1.1
Florida.....	284	0.2
Georgia.....	1,099	1.1
Kentucky.....	2,584	3.8
Maryland.....	151	0.2
Nevada.....	32	0.3
Ohio.....	5	0.0
Oklahoma.....	18	0.0
Puerto Rico.....	7,336	9.6
South Carolina.....	3,576	6.1
Texas.....	490	0.2
Virgin Islands.....	47	3.4
Virginia.....	149	0.2

FIGURE 5 HOSPITAL INPATIENT CARE - UNITED STATES: 1956 - 1963

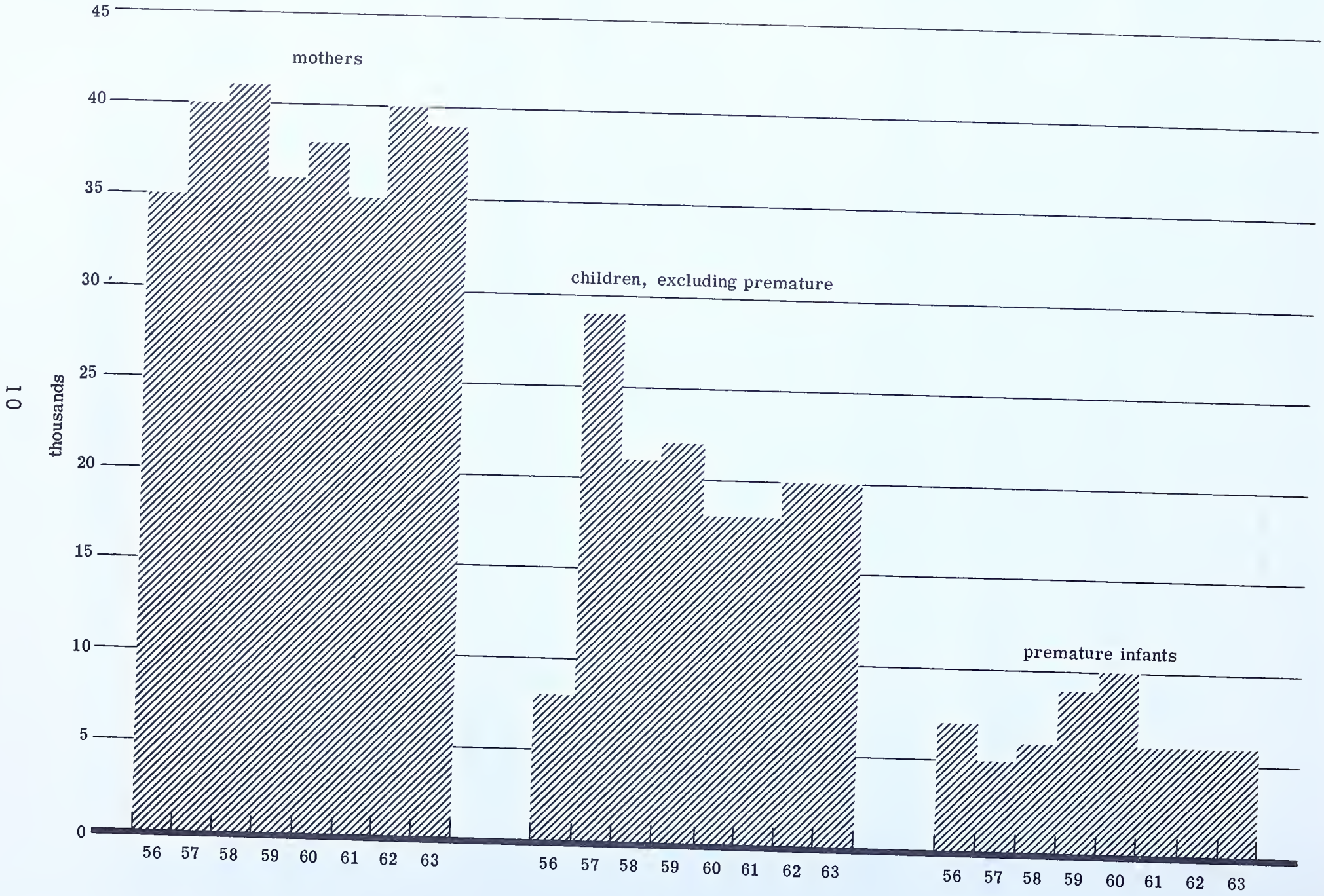


FIGURE 6 NUMBER OF CHILDREN UNDER 21 - REGIONS OF THE UNITED STATES: 1963

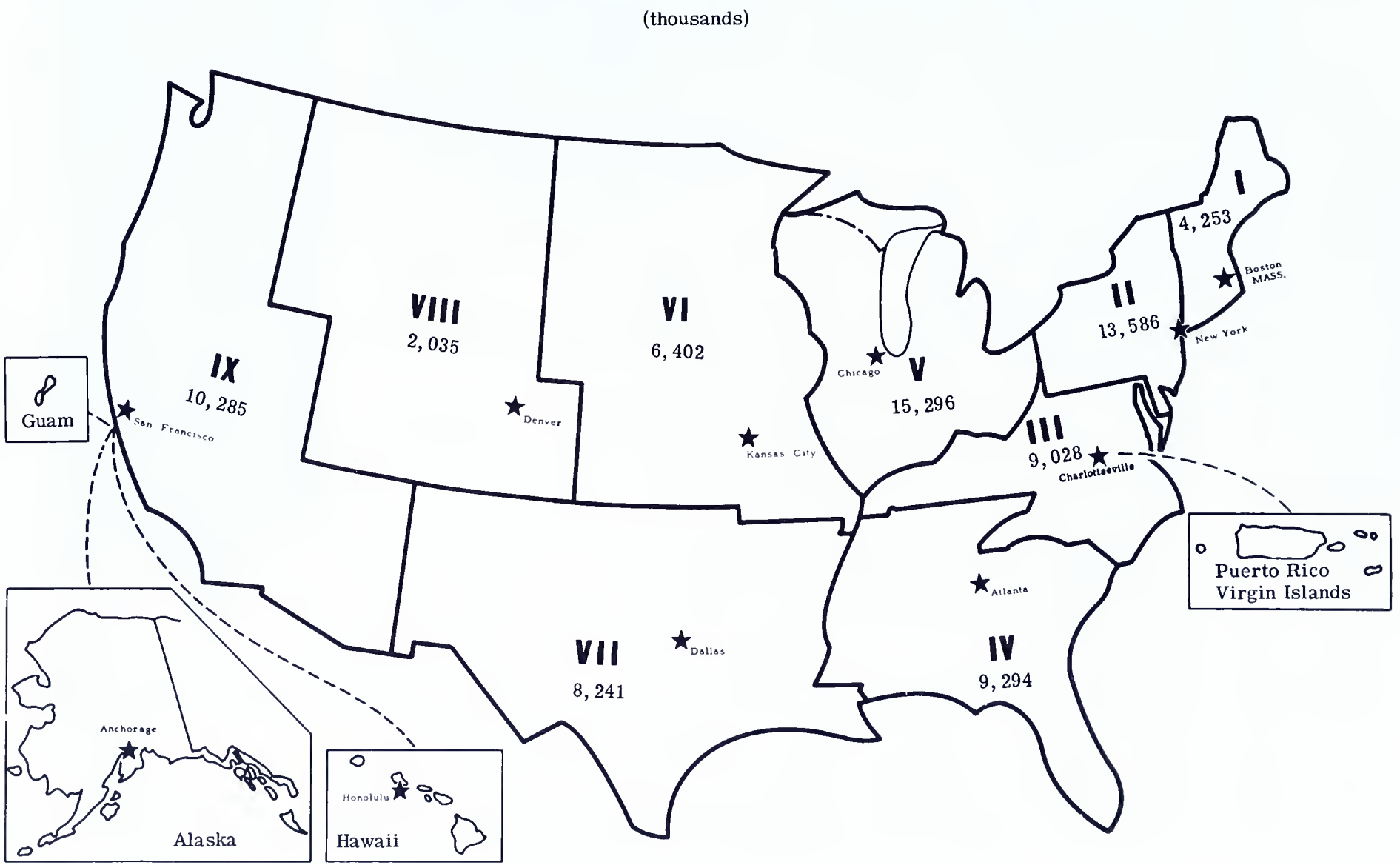
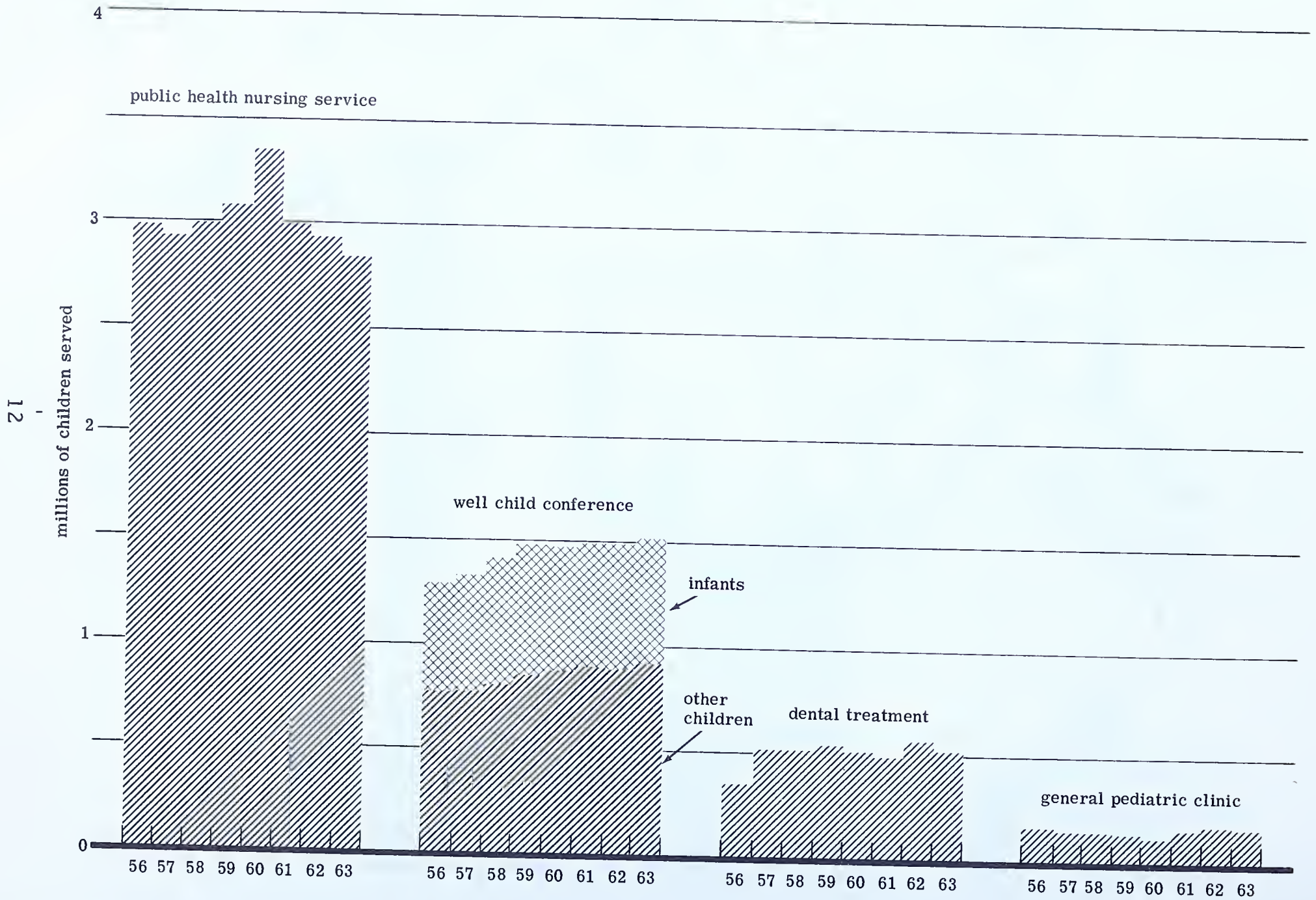


FIGURE 7 SELECTED CHILD HEALTH SERVICES, NUMBER SERVED - UNITED STATES: 1956 - 1963



The distribution of children in the several regions of the United States is shown in Figure 6.

The health services most commonly provided under MCH programs for children are public health nursing, immunizations, school health examinations and screenings. These are offered in every State. In addition, well child conference service is offered in 51 of the 54 States. By and large, these services have reached increasing numbers of children over the years (Table 9 and Figure 7). But, as the reader will observe in the following table, the percent of population served is small.

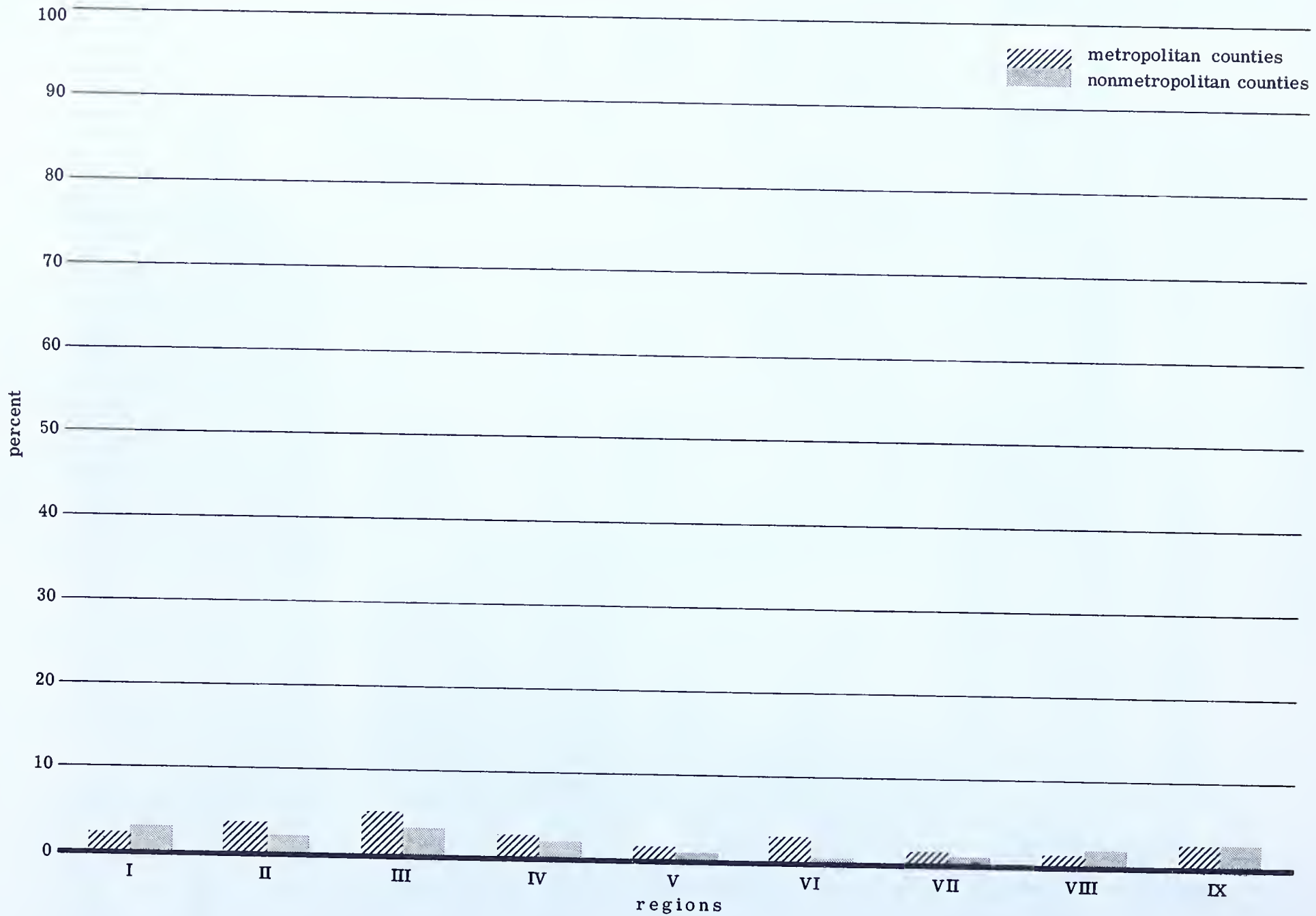
Service to specified age group	Children served, 1963		Median percent of population 1956-1962	Percentage change in proportion of children served
	Number	Percent of specified age group		
Well child conferences:[1]				
Under 1 year.....	593,362	14.2	14.0	+1.4
1-4 years.....	681,539	4.0	4.1	-2.4
5-17 years.....	234,329	0.5	0.3	+66.7
Public health nursing service:				
0-20 years.....	2,831,362	3.6	4.4	-18.2
School health services: (5-17)				
Examination by physician...	2,444,893	5.1	5.4	-5.6
Visual screening.....	7,868,136	16.4	15.3	+7.2
Audiometer testing.....	5,224,546	10.9	9.5	+14.7
Dental screening.....	3,093,730	6.4	6.7	-4.5

[1] Separate age groups include some duplication.

Selected Child Health Services

More than 1,490,000 children received well child conference services in all reporting States, about 593,000 of them under one year of age, nearly 682,000 of them 1-4 years, and about 234,000, 5-17 years (Table 10). These child health conferences under MCH programs were provided for 14 percent

FIGURE 8 WELL CHILD CONFERENCE SERVICE, PERCENT OF POPULATION UNDER 18 SERVED IN METROPOLITAN AND NONMETROPOLITAN COUNTIES - REGIONS: 1963



of the nation's child population under one year of age. In 25 States more than 10 percent of the infants attended well child conferences and in 9 of these States the percentages exceeded 20 percent. The highest ranking States were District of Columbia, Guam, and Maryland (Table 11).

On the basis of 1960 Census reports, approximately 60 percent of the child population lived in metropolitan counties. Reports for maternal and child health programs in 51 States indicate that about 70 percent of the children receiving well child conference service during 1963 lived in metropolitan counties. Thus, 2.7 percent of the children living in metropolitan counties were served as compared with 1.6 percent of the children living in non-metropolitan counties. Regionally, these percentages range from 1.3 to 5.3 in metropolitan counties and from 0.3 to 3.3 in nonmetropolitan counties. Region III shows the highest percentages of service with 5.3 for metropolitan and 3.3 for nonmetropolitan counties. Lowest percentages for the two types of county occurred in Region VIII which shows 1.3 percent in metropolitan counties and in Region VI which shows only 0.3 percent in nonmetropolitan counties (Table 12 and Figure 8).

Adequate well baby clinic service requires that the baby be seen several times, hence, some of the infants reported in any year are not new to the agencies, but rather they represent carry-over from the previous calendar year. The percent of carried-over cases can be regarded as one index of the continuity of care. In 1963, about 4 out of every ten infants served in well baby clinics had been served in the previous year, the remaining six being new cases. This varied considerably among the States: California and Rhode Island reported seven carried-over cases out of every ten served, while Oregon and New Hampshire reported no carried-over infants (Table 11 and Figure 9).

Public health nursing services were provided for more than 2.8 million children in 1963--3.6 percent of the child population. As expected, the percent was highest (18.3) among children less than one year old, and lowest (0.3) for those 18-20 (Tables 13 and 14 and Figure 10). State rates of service for children under 1 year ranged from less than one served in each 100 children in the age group for Indiana and Connecticut to more than 50 for Maryland and New Mexico (Table 14).

Reports from the Division of Dental Public Health and Resources of the Public Health Service show nearly three-fourths of the U.S. population without water fluoridation, either natural or controlled. Table 15 ranks the States from highest to lowest percent of population with no fluoridation, along with the percent of child population receiving topical fluoride applications under MCH programs. These statistics do not, of course, reveal the extent to which other dental services, public and private, are providing necessary topical fluoride applications, nor do these percentages in terms of total child population provide an exact measure of service with this form of one-time preventive treatment. They merely indicate the small extent to which MCH programs are helping to meet this problem.

FIGURE 9 INFANTS RECEIVING WELL CHILD CONFERENCE SERVICE,
Percent of cases carried over and new, 1963

FIGURE 10 PUBLIC HEALTH NURSING FOR CHILDREN, PERCENT OF POPULATION SERVED IN EACH AGE GROUP - UNITED STATES: 1963

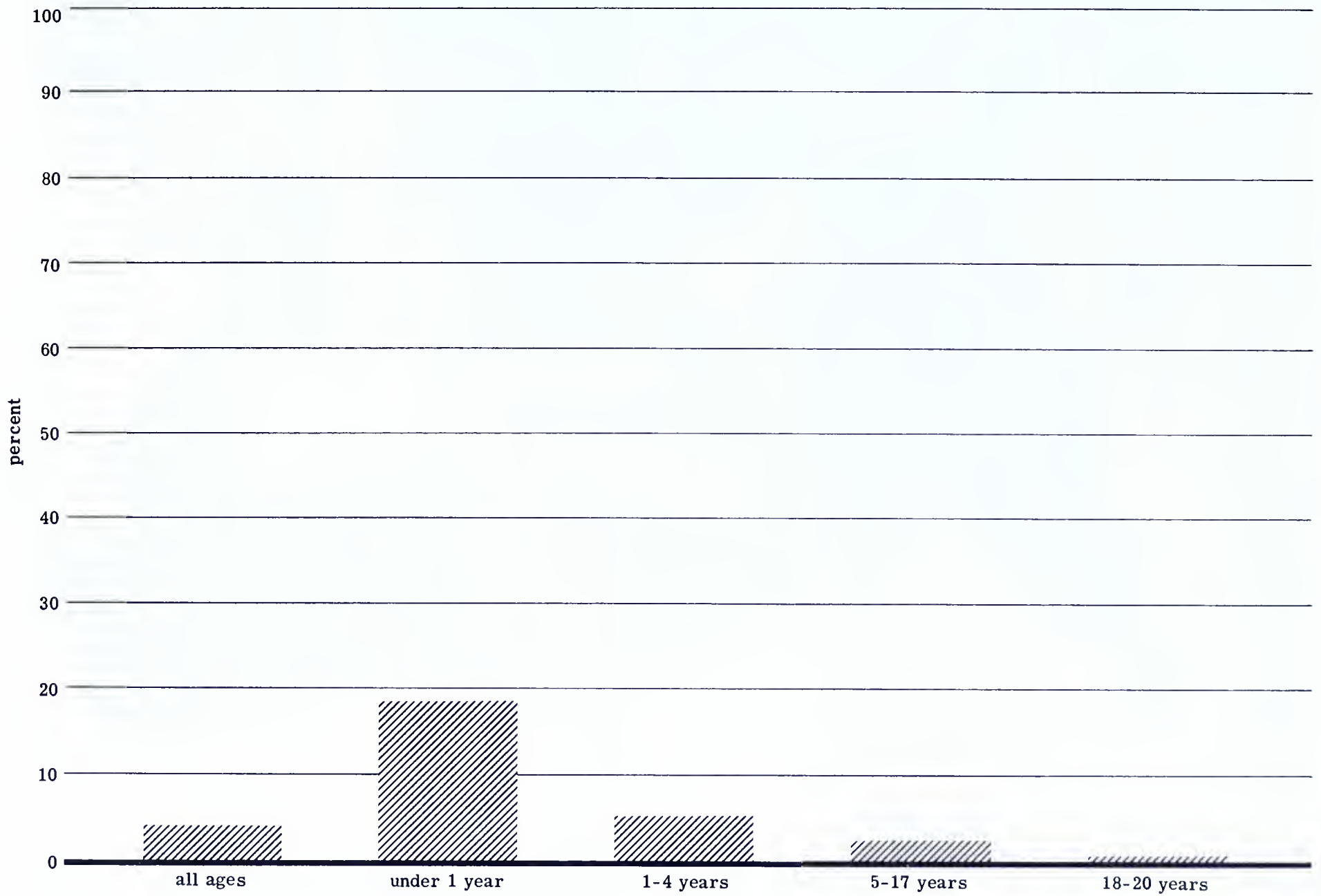
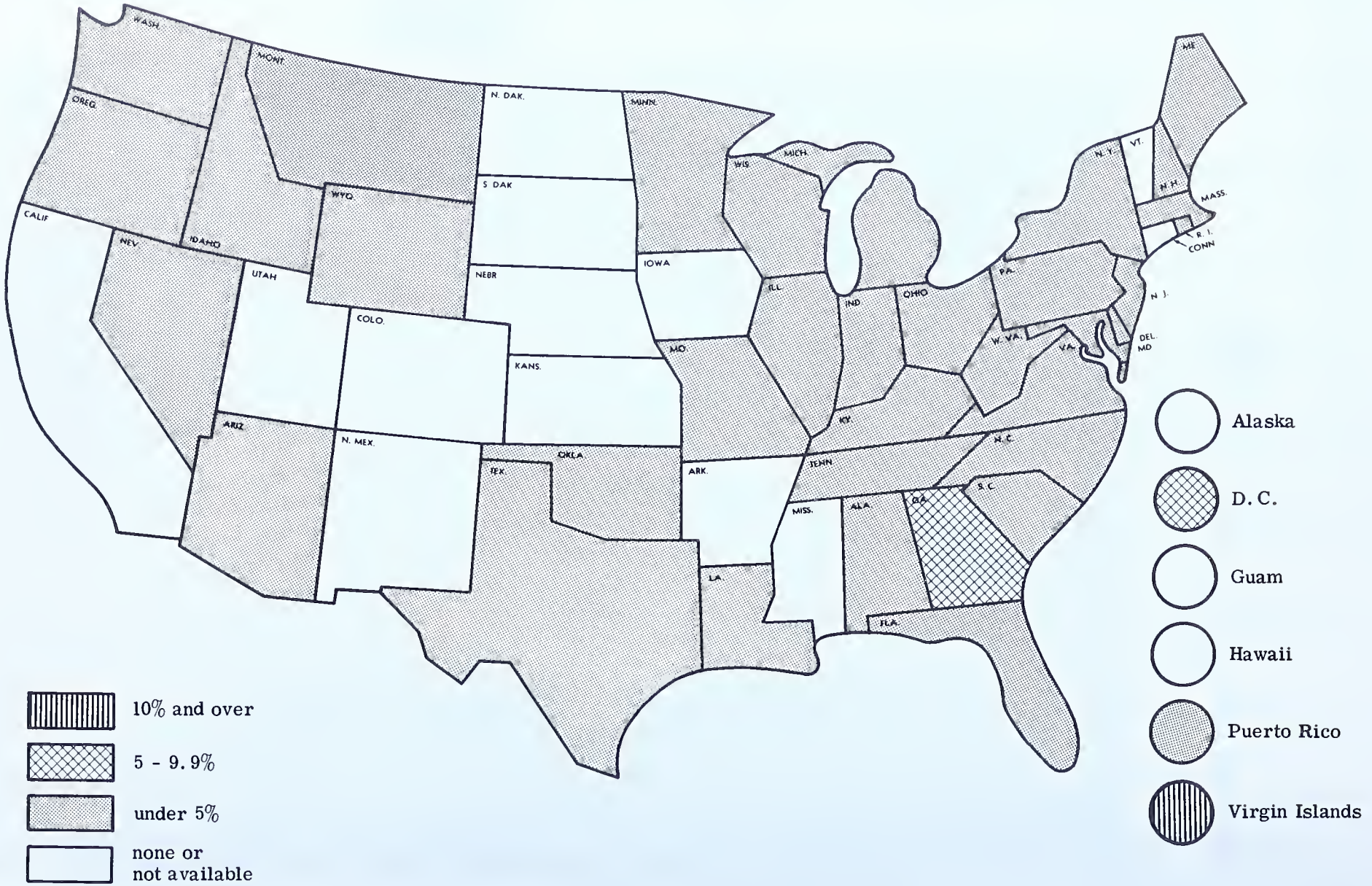


FIGURE 11 DENTAL TREATMENT FOR CHILDREN, PERCENT OF CHILD POPULATION, 1963



Five States administered topical fluoride applications to more than 1 percent of their child populations, the highest being Michigan with about 3 percent receiving treatment. Nineteen States fell in the range from 1 percent down to one-tenth of 1 percent, and the remaining States served less than one-tenth of 1 percent.

MCH programs in some States provide for dental treatment, general pediatric clinics, special category clinics, and hospital inpatient care. In 1963, more than half a million children received dental treatment in the 38 States providing this service--0.7 percent of the total child population in the 1-20 age range (Table 16 and Figure 11). Eighteen States reported 159,624 children served in general pediatric clinics; and eighteen States reported 91,735 children served in miscellaneous special category clinics such as those for cystic fibrosis, rheumatic fever, and other specific conditions. (See Table 17 for a list of the special category clinics.) About 6,300 premature infants and 20,000 other children were given hospital inpatient care in 1963. While the premature infants reported represent less than 2 percent of the prematures born in the 16 States (see Table 7), it is known that some health departments are able to provide incubators for home use for mothers of premature babies.

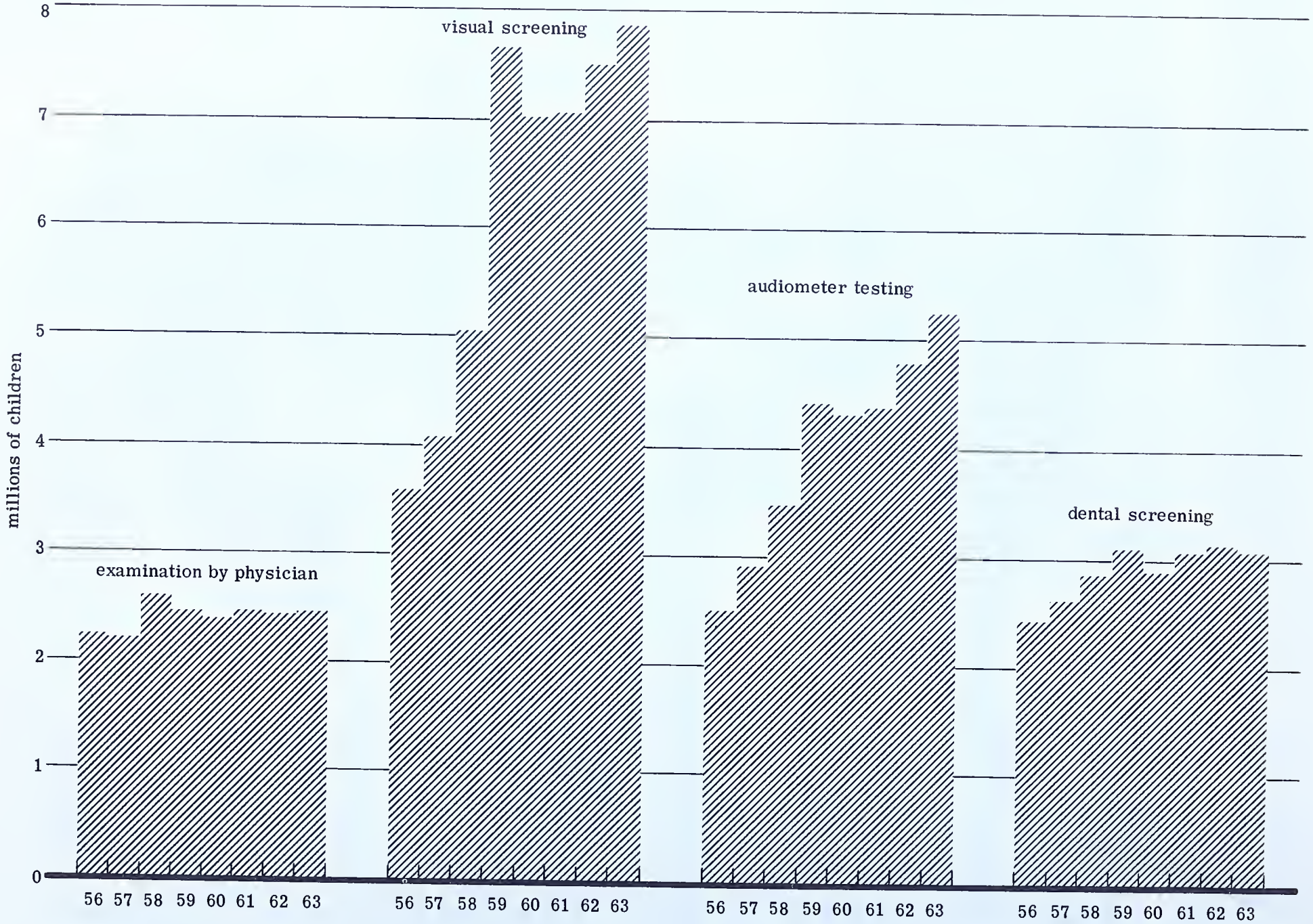
School Health Examinations and Screenings

Services under school health programs usually include examinations by a physician, in addition to screening by other personnel for visual, hearing, and dental defects. More than 2.4 million children were examined by physicians under MCH programs for school children. Screening for visual defects reached 7,868,000, for hearing defects 5,225,000, and for dental defects 3,094,000 (Table 18 and Figure 12). While most of the States reported school health examinations or screenings, about half reported referrals for further diagnosis or treatment; and slightly less than half reported on the completion of referrals.

Number of States Reporting by Type and Extent of Service

Type of service	Examination or screening	Referral after examination or screening	Completed referral
Examination by physician.....	42	22	17
Visual screening.....	47	30	25
Audiometer testing.....	44	28	23
Dental screening.....	42	26	18

FIGURE 12 SCHOOL HEALTH EXAMINATIONS AND SCREENINGS - UNITED STATES: 1956 - 1963



On the basis of reports from those States having complete data, referrals were highest (38.0 percent) after dental screening and lowest (2.9 percent) after audiometer testing. Somewhat more than half the children who were referred from visual and dental screening were reported as completing referral. The percent completing referral after examination by physician and audiometer testing were 41.1 and 44.0 respectively (Figures 13-16 and Tables 22-25).

Percent of Children Referred and Percent Completing Referral

Service	Percent referred	Percent completing referral	
		Of children referred	Of children examined or screened
Examined by physician.....	18.7	41.1	7.7
Screened for visual defects...	9.4	58.6	5.5
Screened for hearing defects..	2.9	44.0	1.3
Screened for dental defects...	38.0	53.0	20.1

School health examinations may involve not only the examiners and the children, but also the parents of the examinees. The problem is that of educating the parent to do something about the defect that is detected in the child. Thirty-six States reported various amounts of presence of parents at these examinations.

The report form allows States to present a cross-tabulation of parent presence with the extent of referrals and the completion of the referral procedure. Five States reported this cross-tabulation in a form amenable to uniform statistical analysis. The total of these five States is given below, and detail for each of them is presented in Table 21. Of these five, two States,

Presence of parent	Examination of children				Referral of children		
	Total	Referred	Not Referred	Percent referred	Completed	Not completed	Percent completed
	114,131	15,382	98,749	13.5	3,739	11,643	24.3
Parent present	54,562	8,878	45,684	16.3	2,606	6,272	29.4
Parent absent	59,569	6,504	53,065	10.9	1,133	5,371	17.4

Colorado and Tennessee, have reported these data uniformly since 1956, when this report form went into effect. An immediately apparent difference between the five States in Table 21 is the magnitude of the number of children. In two States, Florida and Tennessee, appreciable numbers were examined, but in the other three States, the numbers were relatively negligible from the

FIGURE 13 EXAMINATION BY PHYSICIAN, 1963
REFERRALS AND COMPLETED REFERRALS FOR 17 STATES REPORTING COMPLETE DATA

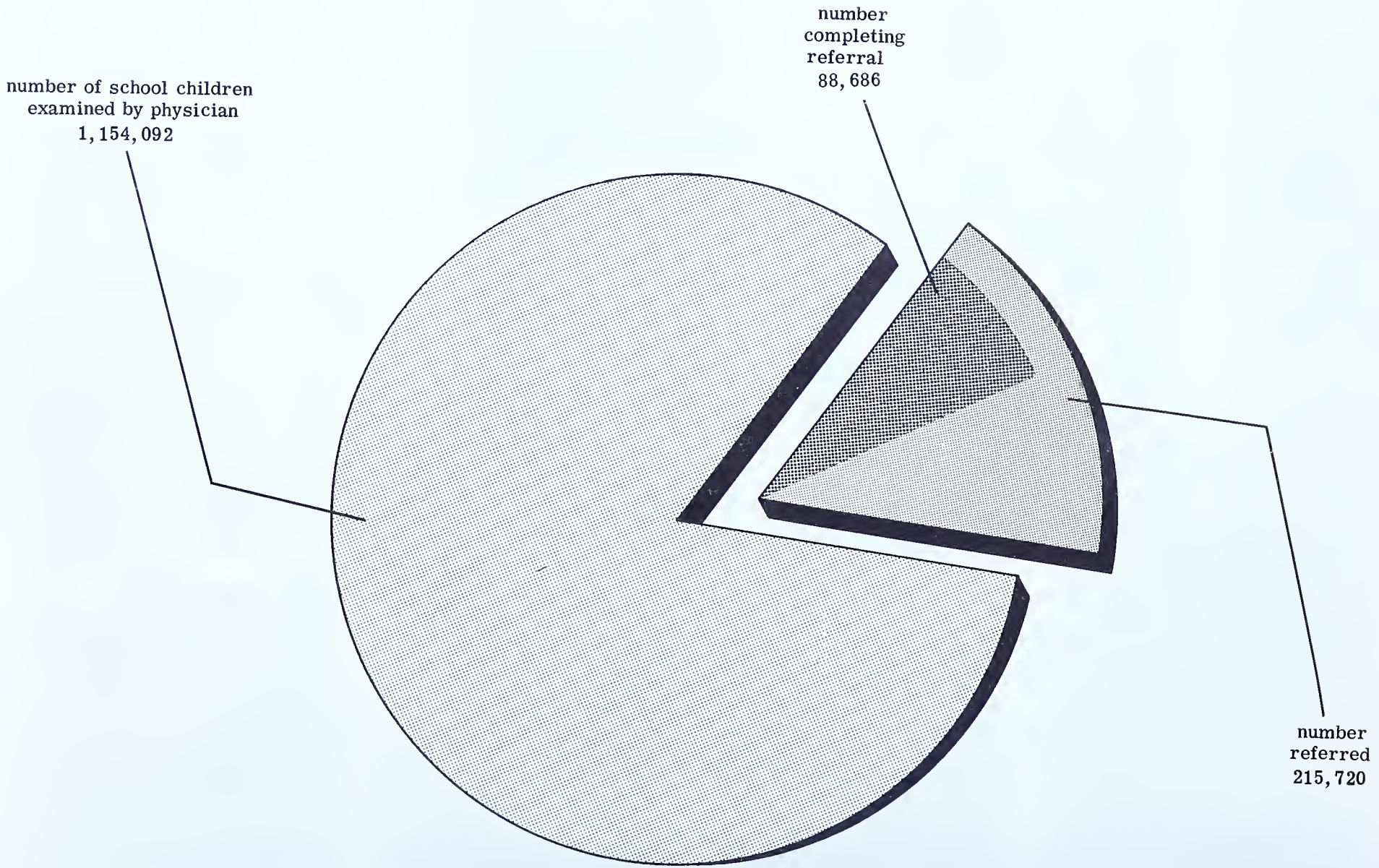


FIGURE 14 VISUAL SCREENING, 1963
REFERRALS AND COMPLETED REFERRALS FOR 25 STATES REPORTING COMPLETE DATA

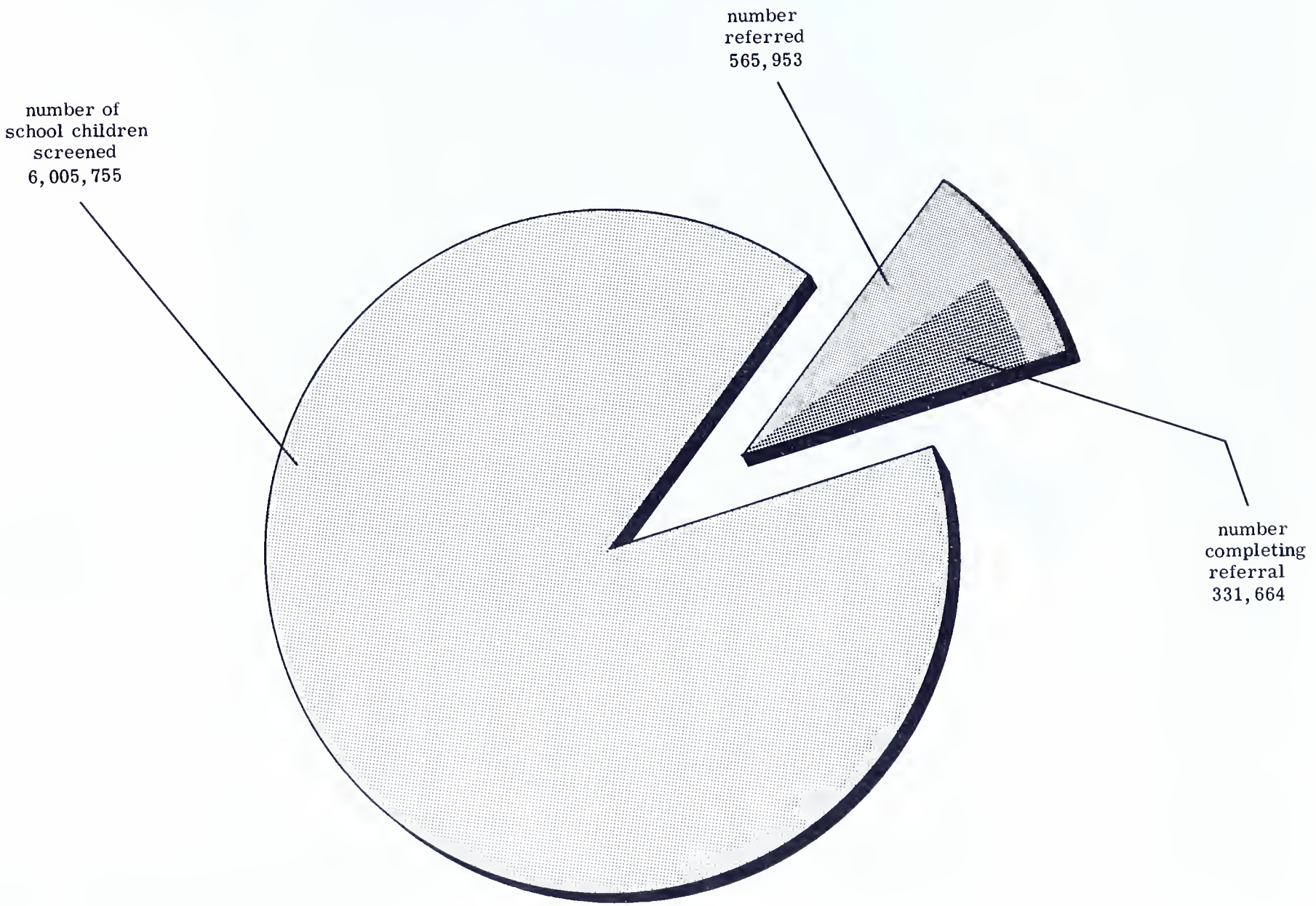
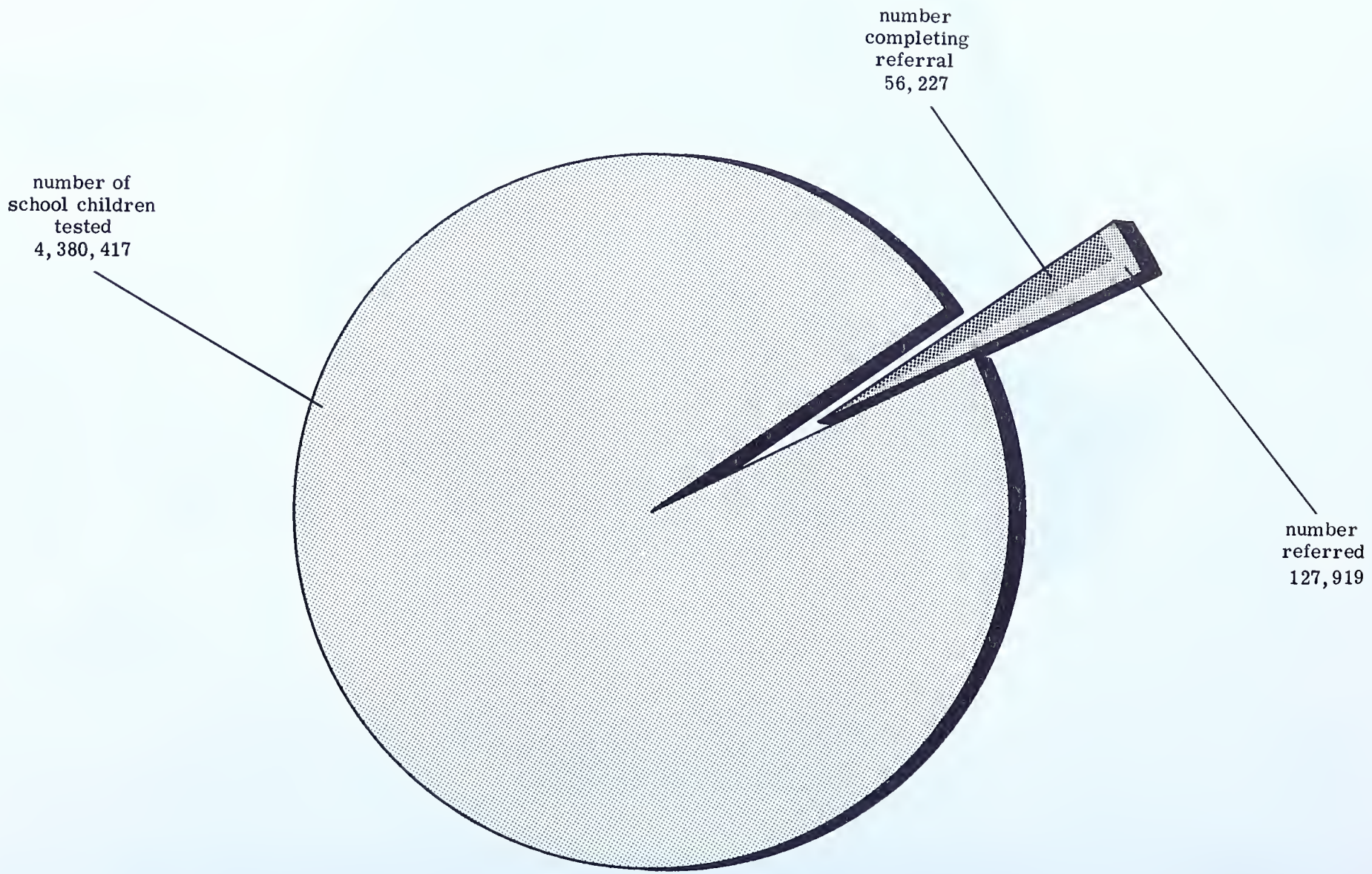


FIGURE 15 AUDIOMETER TESTING, 1963
REFERRALS AND COMPLETED REFERRALS FOR 23 STATES REPORTING COMPLETE DATA



standpoint of school children in the State. Comparing Florida with Tennessee, one notes that in Florida a larger percentage of referrals were completed with parents present than with parents absent, but that in Tennessee the reverse took place. No adequate analysis can be made with these data alone. The varying numbers and proportions suggest need for more detailed analyses by each State of its own experience.

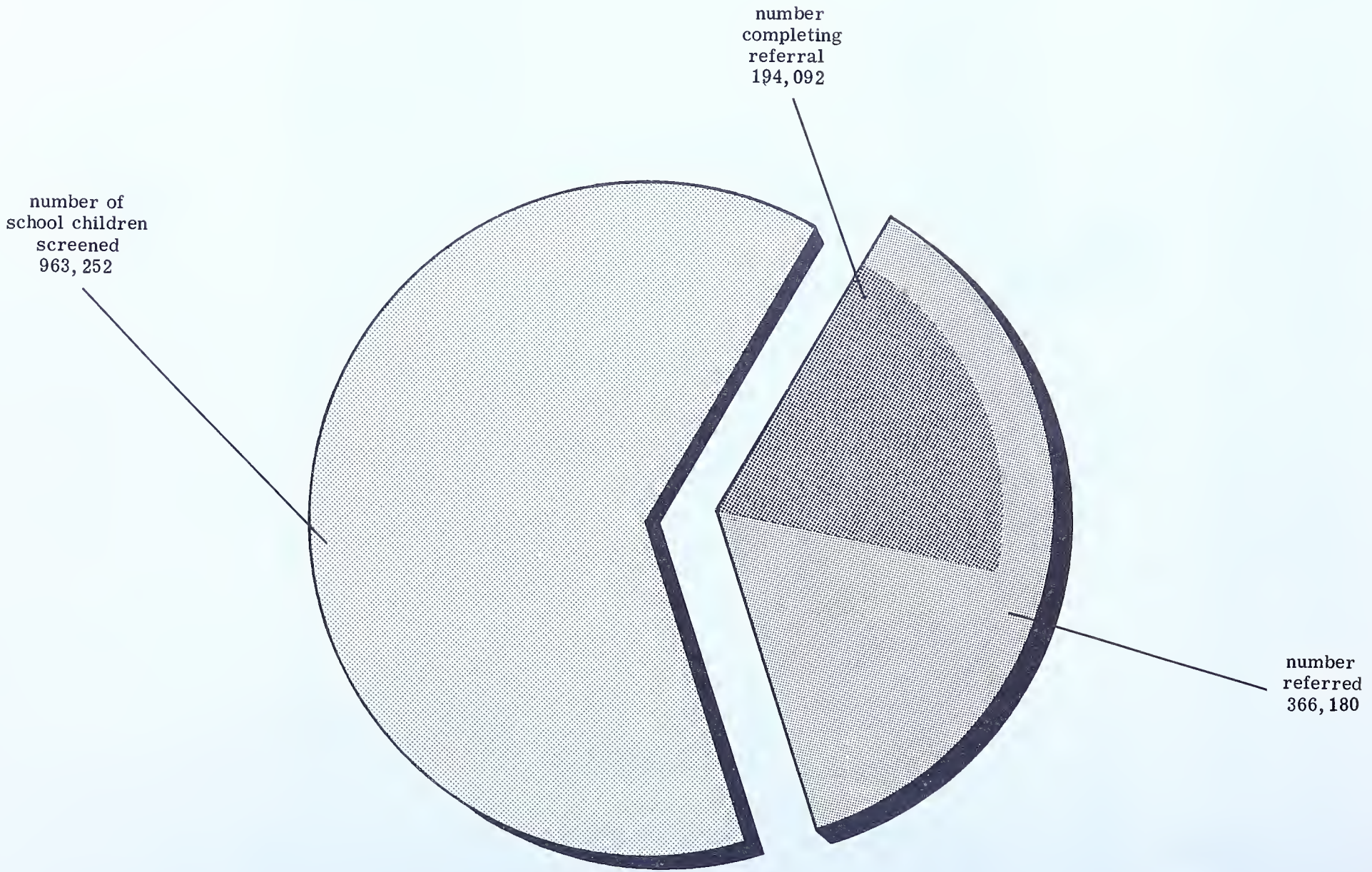
Immunizations

Immunizations were given to millions of children under MCH programs. The numbers receiving smallpox, diphtheria, pertussis, tetanus, and typhoid immunizations (basic series and boosters) are shown below. About 60 percent of the immunizations were received by children under 5 years of age and, except for typhoid, they were provided in most of the States (Tables 26-30).

Number Receiving Immunizations (Includes Boosters)	
Smallpox.....	2,591,651
Diphtheria.....	4,274,005
Pertussis.....	2,498,968
Tetanus.....	4,588,571
Typhoid.....	857,738

1963 was a year of transition in the poliomyelitis vaccination program. Inoculations of Salk Vaccine fell off, but this decrease appears to have been more than made up by mass oral vaccine immunization campaigns. In many States, MCH programs in health departments cooperated with medical societies and other organizations in reaching millions of children as well as the promotion of vaccination in their own regularly organized activities. Evidence suggests that future MCH programs in many States will be redirected towards plugging the gaps in these mass programs by reaching non-participants, and taking care of the very young as they enter the population.

FIGURE 16 DENTAL SCREENING, 1963
REFERRALS AND COMPLETED REFERRALS FOR 18 STATES REPORTING COMPLETE DATA



DETAILED TABLES

Table 1.--Selected Maternity Services, Number Served and Percent of Live Births--United States: 1956-1963

Year	Maternity clinic service	Maternity nursing service	Classes for expectant parents
	Number of mothers		
1956	225,624	434,394	59,828
1957	240,630	446,843	48,782
1958	250,967	536,043	62,322
1959	235,683	529,514	56,711
1960	253,754	524,566	63,709
1961	276,771	503,924	52,863
1962	267,741	555,188	62,963
1963	271,084	534,044	83,056
	Percent of live births[1]		
1956	5.2	10.0	1.4
1957	5.5	10.1	1.1
1958	5.8	12.3	1.4
1959	5.4	12.2	1.3
1960	5.9	12.1	1.5
1961	6.4	11.6	1.2
1962	6.3	13.1	1.5
Median 1956-1962	5.8	12.1	1.4
1963	6.5	12.8	2.0

[1] Based on live birth data for all States.

Table 2.--Maternity Medical Clinic Service, Number Served in Metropolitan and Nonmetropolitan Counties--States: 1963

State	Number of mothers			Percent in metropolitan counties
	Total	In metropolitan counties	In nonmetropolitan counties	
United States	271,084	137,343	109,229	[1] 55.7
Alabama	20,461	---	---	---
Alaska	...	...	...	...
Arizona	4,828	4,498	330	93.2
Arkansas	2,142	417	1,725	19.5
California	19,597	18,616	981	95.0
Colorado	580	171	409	29.5
Connecticut	...	...	...	...
Delaware	1,563	452	1,111	28.9
District of Columbia	4,366	4,366	-	100.0
Florida	14,619	6,640	7,979	45.4
Georgia	18,961	5,851	13,110	30.9
Guam	2,157	-	2,157	-
Hawaii	172	-	172	-
Idaho	...	...	...	...
Illinois	333	194	139	58.3
Indiana	7,376	7,376	-	100.0
Iowa	482	447	35	92.7
Kansas	...	...	...	...
Kentucky	3,897	1,786	1,184	[2] 60.1
Louisiana	7,087	471	6,616	6.6
Maine	483	-	483	-
Maryland	12,011	9,155	2,856	76.2
Massachusetts	...	...	...	...
Michigan	7,065	7,063	2	100.0
Minnesota	---	---	---	---
Mississippi	11,374	127	11,247	1.1
Missouri	5,737	4,325	1,412	75.4
Montana	...	...	...	...
Nebraska	...	...	...	...
Nevada	389	-	389	-
New Hampshire	...	...	...	...
New Jersey	...	...	...	...
New Mexico	802	137	665	17.1
New York	5,235	4,802	433	91.7
North Carolina	13,798	4,935	8,863	35.8
North Dakota	...	...	...	...
Ohio	4,920	4,837	83	98.3
Oklahoma	647	9	638	1.4
Oregon	...	...	...	...
Pennsylvania	5,450	5,450	-	100.0
Puerto Rico	56,125	23,794	32,331	42.4
Rhode Island	...	...	...	...
South Carolina	3,895	528	3,367	13.6
South Dakota	...	...	...	...
Tennessee	428	118	310	27.6
Texas	12,698	11,766	932	92.7
Utah	592	592	-	100.0
Vermont	...	...	...	...
Virgin Islands	1,356	-	1,356	-
Virginia	16,334	8,420	7,914	51.5
Washington	2,316	---	---	---
West Virginia	808	---	---	---
Wisconsin	...	...	...	...
Wyoming	...	...	...	...

[1] Based on reports from 34 states.
[2] Based on 2970 mothers for whom type of county was reported.

Table 3.--Maternity Medical Clinic Service, Percent of Live Births in Metropolitan and Nonmetropolitan Counties--States: 1963

State	All areas	In metropolitan counties	In nonmetropolitan counties
United States	[1] 6.5	6.4	9.7
Alabama	26.9	---	---
Alaska	...	...	...
Arizona	13.0	17.7	2.8
Arkansas	5.2	4.5	5.3
California	5.1	5.6	1.9
Colorado	1.4	0.6	3.3
Connecticut	...	...	...
Delaware	13.6	5.9	28.9
District of Columbia	21.6	21.6	-
Florida	12.7	9.0	19.4
Georgia	19.1	11.9	26.0
Guam	83.2	-	83.2
Hawaii	1.0	-	6.8
Idaho	...	...	...
Illinois	0.1	0.1	0.3
Indiana	6.9	14.0	-
Iowa	0.8	2.0	0.1
Kansas	...	...	...
Kentucky	5.7	---	---
Louisiana	8.3	1.1	15.3
Maine	2.2	-	2.7
Maryland	15.4	15.0	17.2
Massachusetts	...	...	...
Michigan	3.9	5.4	0.0
Minnesota	---	---	---
Mississippi	19.8	2.4	21.6
Missouri	6.3	7.6	4.2
Montana	...	...	...
Nebraska	...	...	...
Nevada	4.1	-	22.8
New Hampshire	...	...	...
New Jersey	...	...	...
New Mexico	2.9	1.8	3.3
New York	1.5	1.6	0.8
North Carolina	12.9	18.5	11.0
North Dakota	...	...	...
Ohio	2.3	3.3	0.1
Oklahoma	1.3	0.0	2.6
Oregon	...	...	...
Pennsylvania	2.5	3.1	-
Puerto Rico	73.3	90.8	64.2
Rhode Island	...	...	...
South Carolina	6.7	2.6	8.8
South Dakota	...	...	...
Tennessee	0.5	0.3	0.7
Texas	5.3	7.3	1.2
Utah	2.4	3.4	-
Vermont	...	...	...
Virgin Islands	98.6	-	98.6
Virginia	16.8	16.0	17.9
Washington	3.8	---	---
West Virginia	2.3	---	---
Wisconsin	...	...	...
Wyoming	...	...	...

[1] Based on live birth data for all States. When computed in terms of 37 reporting States, percent is 7.8 (includes 927 mothers served in Kentucky for whom type of county was not reported).

Table 4.--Maternity Medical Clinic Service, Number and Percent of Cases Carried Over and New--States: 1963

State	Total	Carried over from previous year		New this year	
		Number	Percent	Number	Percent
United States	271,084	47,844	20.6	184,217	79.4
Alabama	20,461	4,940	24.1	15,521	75.9
Alaska	...	...	...	...	...
Arizona	4,828	759	15.7	4,069	84.3
Arkansas	2,142	258	12.0	1,884	88.0
California	19,597	3,086	15.7	16,511	84.3
Colorado	580	130	22.4	450	77.6
Connecticut	...	...	...	...	...
Delaware	1,563	735	47.0	828	53.0
District of Columbia	4,366	460	10.5	3,906	89.5
Florida	14,619	2,557	17.5	12,062	82.5
Georgia	18,961	---	---	---	---
Guam	2,157	1,143	53.0	1,014	47.0
Hawaii	172	56	32.6	116	67.4
Idaho	...	...	...	...	...
Illinois	333	68	20.4	265	79.6
Indiana	7,376	---	---	---	---
Iowa	482	380	78.8	102	21.2
Kansas	...	...	...	...	...
Kentucky	3,897	1,082	27.8	2,815	72.2
Louisiana	7,087	1,046	14.8	6,041	85.2
Maine	483	105	21.7	378	78.3
Maryland	12,011	1,873	15.6	10,138	84.4
Massachusetts	...	...	...	...	...
Michigan	7,065	994	14.1	6,071	85.9
Minnesota	---	---	---	---	---
Mississippi	11,374	562	4.9	10,812	95.1
Missouri	5,737	956	16.7	4,781	83.3
Montana	...	...	...	...	...
Nebraska	...	...	...	...	...
Nevada	389	71	18.3	318	81.7
New Hampshire	...	...	...	...	...
New Jersey	...	...	...	...	...
New Mexico	802	132	16.5	670	83.5
New York	5,235	1,151	22.0	4,084	78.0
North Carolina	13,798	2,444	17.7	11,354	82.3
North Dakota	...	...	...	...	...
Ohio	4,920	---	---	---	---
Oklahoma	647	233	36.0	414	64.0
Oregon	...	...	...	...	...
Pennsylvania	5,450	---	---	---	---
Puerto Rico	56,125	16,182	28.8	39,943	71.2
Rhode Island	...	...	...	...	...
South Carolina	3,895	194	5.0	3,701	95.0
South Dakota	...	...	...	...	...
Tennessee	428	66	15.4	362	84.6
Texas	12,698	1,678	13.2	11,020	86.8
Utah	592	62	10.5	530	89.5
Vermont	...	...	...	...	...
Virgin Islands	1,356	304	22.4	1,052	77.6
Virginia	16,334	3,987	24.4	12,347	75.6
Washington	2,316	---	---	---	---
West Virginia	808	150	18.6	658	81.4
Wisconsin	...	...	...	...	...
Wyoming	...	...	...	...	...

Table 5.--Maternity Nursing Service, Number Served and Percent of Live Births--States: 1963

State	Number of mothers	Percent of live births
United States	534,044	[1] 12.8
Alabama	14,736	19.4
Alaska	1,557	20.3
Arizona	5,636	15.2
Arkansas	2,754	6.6
California	34,700	9.1
Colorado	5,037	11.9
Connecticut	212	0.4
Delaware	2,024	17.6
District of Columbia	---	---
Florida	22,644	19.7
Georgia	42,756	43.0
Guam	8,026	309.6
Hawaii	3,237	18.2
Idaho	1,954	13.1
Illinois	11,377	5.1
Indiana	6,559	6.1
Iowa	809	1.4
Kansas	1,809	3.9
Kentucky	11,611	17.1
Louisiana	10,544	12.3
Maine	1,262	5.7
Maryland	19,467	25.0
Massachusetts	6,399	5.7
Michigan	15,825	8.8
Minnesota	4,853	6.0
Mississippi	19,284	33.6
Missouri	6,732	7.4
Montana	1,597	10.1
Nebraska	1,127	3.4
Nevada	239	2.5
New Hampshire	237	1.7
New Jersey	---	---
New Mexico	55	0.2
New York	51,367	14.4
North Carolina	23,928	22.3
North Dakota	377	2.5
Ohio	18,250	8.6
Oklahoma	4,452	8.9
Oregon	1,426	4.1
Pennsylvania	15,377	6.9
Puerto Rico	29,669	38.7
Rhode Island	3,750	20.6
South Carolina	42,236	72.4
South Dakota	176	1.1
Tennessee	6,433	8.0
Texas	19,724	8.2
Utah	1,920	7.7
Vermont	414	4.7
Virgin Islands	1,393	101.3
Virginia	16,499	17.0
Washington	12,466	20.5
West Virginia	3,799	10.6
Wisconsin	15,084	16.5
Wyoming	245	3.2

[1] Based on live birth data for all States. When computed in terms of 50 reporting States, percent is 13.0 (excludes Guam and Virgin Islands because of apparent discrepancy).

Table 6.--Hospital Inpatient Care for Maternity Cases--Reporting States: 1963

State	Number of mothers	Percent of live births	Mean number of days
Total	39,142	[1] 1.1	[2] 4.0
Alabama	801	1.1	---
Colorado	99	0.2	13.0
Connecticut	133	0.2	4.3
District of Columbia	7,377	36.4	3.7
Georgia	334	0.3	3.0
Louisiana	8	0.0	3.8
Maryland	6,048	7.8	3.7
New Mexico	32	0.1	4.5
Pennsylvania	7,083	3.2	4.8
Puerto Rico	14,804	19.3	2.3
South Carolina	7	0.0	2.9
Virgin Islands	760	55.3	4.4
Virginia	1,246	1.3	5.3
West Virginia	410	1.1	4.0

[1] Median for States reporting hospital care for mothers.
[2] Median for States reporting days of hospital care for mothers.

Table 7.--Hospital Inpatient Care--United States: 1956-1963

Year	Maternity cases		Premature infants		Children, excluding premature infants	
	Number of mothers	Number of States	Number of infants	Number of States	Number of children, less prematures	Number of States
1956	34,898	12	6,789	15	8,389	14
1957	39,562	13	5,206	13	28,670	13
1958	40,910	12	5,794	14	20,654	14
1959	35,886	15	8,502	14	22,219	11
1960	37,554	15	10,073	17	17,918	11
1961	35,299	15	6,194	17	17,873	11
1962	40,407	14	6,391	16	20,008	12
1963	39,142	14	6,342	16	20,072	12
	Percent of population served[1]					
1956	0.8		2.3		0.0	
1957	0.9		1.7		0.0	
1958	0.9		1.8		0.0	
1959	0.8		2.7		0.0	
1960	0.9		3.1		0.0	
1961	0.8		1.8		0.0	
1962	1.0		1.9		0.0	
Median 1956-1962	0.9		1.9		0.0	
1963	0.9		1.9		0.0	

[1] Percents based on live births or other children in all States.

Table 8.--Midwifery Practice and Health Department Midwifery Supervision--States Reporting Practicing Midwives: 1963

State	Percent of live births delivered by midwives[1]	Number of live births with midwife attendants[1]	Number of live births[1]	Number of midwife deliveries supervised by Health department members	Number of practicing midwives
United States.....	1.7	68,468	4,178,583	5,521	7,412
Mississippi.....	22.5	12,936	57,382	---	895
Alabama.....	13.5	10,308	76,116	11	746
South Carolina.....	9.9	5,752	58,304	---	564
Georgia.....	7.6	7,542	99,446	---	387
Arkansas.....	7.5	3,098	41,442	---	279
North Carolina.....	4.0	4,326	107,364	---	175
Texas.....	3.9	9,380	239,238	---	1,700
Florida.....	3.6	4,104	114,738	15	200
Virginia.....	3.5	3,382	96,962	3,744	508
Alaska.....	3.2	242	7,678	3	---
Kentucky.....	2.3	1,530	67,924	---	296
Louisiana.....	2.2	1,890	85,398	---	232
Tennessee.....	1.9	1,546	79,932	---	319
New Mexico.....	1.5	420	27,780	451	92
Arizona.....	0.8	304	37,164	---	16
Delaware.....	0.5	62	11,510	1	5
Maryland.....	0.5	374	77,742	28	44
Missouri.....	0.4	336	90,482	14	40
West Virginia.....	0.4	146	35,708	---	93
Connecticut.....	0.0	2	56,696	---	2
Hawaii.....	0.0	2	17,784	2	5
Indiana.....	0.0	24	107,004	---	2
Minnesota.....	0.0	30	80,236	---	6
New Jersey.....	0.0	24	132,748	12	7
New York.....	0.0	14	355,760	---	25
Pennsylvania.....	0.0	20	221,698	---	12
Guam.....	-	-	2,592	---	2
Puerto Rico.....	-	-	76,596	---	740
Virgin Island.....	-	-	1,375	1,240	20

[1] Source: Public Health Service, National Center for Health Statistics, Advance Report, Final Natality Statistics, 1963 Totals for all jurisdictions.

Table 9.--Selected Child Health Services, Number Served and Percent of Child Population--United States: 1956-1963

Year	Well child conferences			Nursing Service	Dental treatment	General pediatric clinic
	Infants	1-4 years	5-17 years[1]			
	Number of Children Served					
1956	519,277	655,096	111,972	2,980,606	353,765	153,069
1957	558,891	634,759	132,587	2,928,977	506,704	146,503
1958	607,291	677,461	134,910	2,997,417	508,896	144,691
1959	629,258	717,649	136,561	3,065,802	539,382	136,381
1960	614,883	703,135	162,359	3,331,171	512,872	127,262
1961	598,736	690,185	208,734	2,991,312	492,910	146,655
1962	606,015	702,371	191,374	2,925,501	564,006	161,089
1963	593,362	681,539	234,329	2,831,362	516,324	159,624
	Percent of Population Served[2]					
1956	12.0	4.1	0.3	4.6	0.7	0.2
1957	13.0	4.0	0.3	4.4	1.0	0.2
1958	14.0	4.0	0.3	4.3	1.0	0.2
1959	14.5	4.2	0.3	4.4	1.1	0.2
1960	14.2	4.3	0.4	4.6	0.8	0.2
1961	13.8	4.1	0.5	4.0	0.6	0.2
1962	14.3	4.2	0.4	3.8	0.8	0.2
Median 1956-1962	14.0	4.1	0.3	4.4	0.8	0.2
1963	14.2	4.0	0.5	3.6	0.7	0.2

[1] Certain States report a concentration in the 5-year and 6-year ages in their programs. Excludes age unknown.

[2] Based on child population for all States.

Table 10.--Well Child Conference Service, Number Served in Each Age Group--States: 1963

State	Total	Under 1 year	1-4 years	5-17 years
United States	[1] 1,490,122	593,362	681,539	234,329
Alabama	27,448	8,074	7,190	12,184
Alaska	...	...	...	...
Arizona	11,950	6,592	4,131	1,227
Arkansas	3,712	1,813	1,246	653
California	172,000	97,200	65,250	9,550
Colorado	14,635	5,265	7,809	1,561
Connecticut	2,602	528	1,645	429
Delaware	6,741	2,627	3,372	742
District of Columbia	39,702	13,513	25,868	2,077
Florida	36,801	15,733	14,225	6,843
Georgia	65,210	17,609	20,863	26,738
Guam	4,040	1,502	1,166	1,372
Hawaii	11,743	3,908	6,977	858
Idaho	6,112	1,702	3,505	905
Illinois	8,095	5,104	2,579	412
Indiana	14,292	4,482	9,614	204
Iowa	5,026	1,947	3,079	-
Kansas	3,799	1,318	2,197	284
Kentucky	12,188	789	3,089	8,310
Louisiana	23,059	12,242	7,806	3,011
Maine	11,305	3,363	7,942	-
Maryland	67,287	28,145	28,710	10,432
Massachusetts	49,863	21,855	22,870	5,138
Michigan	34,201	15,481	13,285	5,435
Minnesota	13,228	5,776	7,048	404
Mississippi	19,695	6,016	1,946	11,733
Missouri	50,305	18,575	30,786	944
Montana	1,403	541	637	225
Nebraska	6,084	2,348	3,736	-
Nevada	1,381	672	651	58
New Hampshire	1,200	343	592	265
New Jersey	8,405	2,861	4,812	732
New Mexico	14,738	4,563	4,887	5,288
New York	263,031	104,767	178,948	3,420
North Carolina	34,062	14,160	10,895	9,007
North Dakota	...	...	...	...
Ohio	87,686	37,906	35,250	8,766
Oklahoma	4,526	2,235	2,291	-
Oregon	3,853	1,325	1,726	802
Pennsylvania	117,183	32,185	57,601	27,397
Puerto Rico	98,979	22,991	19,137	56,851
Rhode Island	3,194	1,540	1,325	329
South Carolina	6,953	4,198	2,755	-
South Dakota	390	104	286	-
Tennessee	7,892	3,484	2,935	1,473
Texas	41,105	24,067	13,748	3,290
Utah	5,388	989	4,606	-
Vermont	4,273	692	3,581	-
Virgin Islands	2,595	1,555	1,031	9
Virginia	20,642	12,901	7,741	-
Washington	14,205	4,547	6,080	2,375
West Virginia	7,723	2,363	3,386	1,974
Wisconsin	18,192	8,866	8,704	622
Wyoming	...	...	...	...

[1] Total represents unduplicated count; separate age groups include some duplication. A child is counted for service only once in any one age group, but he may be counted in 2 age groups for the same calendar year. Included in total are 6,967 children for whom age was not reported.

Table 11.--Well Child Conference Service for Infants, Percent of Population Under 1 Year, and Percent of Cases Carried Over from Previous Year--States: 1963

State	Total infants	Percent of population under 1 year	Cases carried over from previous year		Cases new this year	
			Number	Percent	Number	Percent
United States	593,362	[1] 14.2	205,902	39.9	311,967	60.2
Alabama	8,074	10.6	1,578	19.5	6,496	80.5
Alaska	...	...	...	...	...	...
Arizona	6,592	17.7	1,553	23.6	5,039	76.4
Arkansas	1,813	4.4	251	13.8	1,562	86.2
California	97,200	25.5	73,150	75.3	24,050	24.7
Colorado	5,265	12.5	1,435	27.3	3,830	72.7
Connecticut	528	0.9	140	26.5	388	73.5
Delaware	2,627	22.8	699	26.6	1,928	73.4
District of Columbia	13,513	66.7	4,305	31.9	9,208	68.1
Florida	15,733	13.7	3,088	19.6	12,645	80.4
Georgia	17,609	17.7	---	---	---	---
Guam	1,502	57.9	332	22.1	1,170	77.9
Hawaii	3,908	22.0	1,634	41.8	2,274	58.2
Idaho	1,702	11.4	1,017	59.8	685	40.2
Illinois	5,104	2.3	1,994	39.1	3,110	60.9
Indiana	4,482	4.2	2,066	46.1	2,416	53.9
Iowa	1,947	3.4	776	39.9	1,171	60.1
Kansas	1,318	2.9	416	31.6	902	68.4
Kentucky	789	1.2	---	---	---	---
Louisiana	12,242	14.3	3,049	24.9	9,193	75.1
Maine	3,363	15.3	777	23.1	2,586	76.9
Maryland	28,145	36.2	10,242	36.4	17,903	63.6
Massachusetts	21,855	19.6	10,157	46.5	11,698	53.5
Michigan	15,481	8.6	4,186	27.0	11,295	73.0
Minnesota	5,776	7.2	---	---	---	---
Mississippi	6,016	10.5	90	1.5	5,926	98.5
Missouri	18,575	20.5	6,167	33.2	12,408	66.8
Montana	541	3.4	276	51.0	265	49.0
Nebraska	2,348	7.2	300	12.8	2,048	87.2
Nevada	672	7.1	175	26.0	497	74.0
New Hampshire	343	2.5	-	-	343	100.0
New Jersey	2,861	2.2	752	26.3	2,109	73.7
New Mexico	4,563	16.4	1,132	24.8	3,431	75.2
New York	104,767	29.4	33,787	32.2	70,980	67.8
North Carolina	14,160	13.2	3,139	22.2	11,021	77.8
North Dakota	...	...	...	...	...	...
Ohio	37,906	17.8	---	---	---	---
Oklahoma	2,235	4.5	559	25.0	1,676	75.0
Oregon	1,325	3.8	-	-	1,325	100.0
Pennsylvania	32,185	14.5	16,229	50.4	15,956	49.6
Puerto Rico	22,991	30.0	8,401	36.5	14,590	63.5
Rhode Island	1,540	8.4	1,074	69.7	466	30.3
South Carolina	4,198	7.2	276	6.6	3,922	93.4
South Dakota	104	0.6	29	27.9	75	72.1
Tennessee	3,484	4.4	468	13.4	3,016	86.6
Texas	24,067	10.1	5,107	21.2	18,960	78.8
Utah	989	4.0	207	20.9	782	79.1
Vermont	692	7.9	60	8.7	632	91.3
Virgin Islands	1,555	113.1	387	24.9	1,168	75.1
Virginia	12,901	13.3	4,025	31.2	8,876	68.8
Washington	4,547	7.5	---	---	---	---
West Virginia	2,363	6.6	417	17.6	1,946	82.4
Wisconsin	8,866	9.7	---	---	---	---
Wyoming	...	...	...	...	...	...

[1] Based on child population for all States. When computed in terms of 50 reporting States, percent is 14.3 (excludes Virgin Islands because of apparent error).

Table 12.--Well Child Conference Service, Percent of Population Served, by Type of County--Regions and States: 1963

Region	Number of children served			Percent of population served[1]		
	Total	Metropolitan county	Non-metropolitan county	Total	Metropolitan county	Non-metropolitan county
Total	1,490,122	1,090,345	393,265	2.3	2.7	1.6
Region I	72,437	54,066	18,371	2.0	1.9	2.5
Connecticut	2,602	1,023	1,579	0.3	0.1	1.7
Maine	11,305	2,234	9,071	3.2	2.4	3.5
Massachusetts	49,863	48,181	1,682	2.9	2.9	2.7
New Hampshire	1,200	-	1,200	0.6	-	0.8
Rhode Island	3,194	2,628	566	1.1	1.1	1.2
Vermont	4,273	-	4,273	3.0	-	3.0
Region II	395,360	357,855	37,505	3.5	3.9	1.7
Delaware	6,741	4,187	2,554	4.1	3.7	5.0
New Jersey	8,405	7,450	955	0.4	0.5	0.2
New York	263,031	250,807	12,224	4.9	5.6	1.5
Pennsylvania	117,183	95,411	21,772	3.1	3.2	2.5
Region III	283,178	152,734	123,932	3.7	5.3	3.3
Dist. of Columbia	39,702	39,702	-	18.1	18.1	-
Kentucky	12,188	1,864	3,812	1.1	---	---
Maryland	67,287	52,651	14,636	5.9	5.9	6.0
North Carolina	34,062	13,040	21,022	1.9	3.1	1.6
Virginia	20,642	12,330	8,312	1.4	1.8	1.1
West Virginia	7,723	3,712	4,011	1.1	1.6	0.9
Puerto Rico	98,979	29,435	69,544	8.5	8.0	8.7
Virgin Islands	2,595	-	2,595	17.6	-	17.6
Region IV	163,999	80,691	83,308	2.1	2.4	1.9
Alabama	27,448	22,724	4,724	2.1	3.8	0.7
Florida	36,801	27,753	9,048	2.2	2.6	1.5
Georgia	65,210	20,582	44,628	4.3	3.0	5.2
Mississippi	19,695	110	19,585	2.2	0.1	2.4
South Carolina	6,953	3,206	3,747	0.7	1.0	0.6
Tennessee	7,892	6,316	1,576	0.6	1.1	0.2
Region V	162,466	140,208	22,258	1.2	1.5	0.6
Illinois	8,095	6,442	1,653	0.2	0.2	0.2
Indiana	14,292	14,292	-	0.8	1.5	-
Michigan	34,201	23,106	11,095	1.2	1.0	1.5
Ohio	87,686	78,582	9,104	2.5	3.0	1.0
Wisconsin	18,192	17,786	406	1.3	2.7	0.1
Region VI	78,832	69,719	9,113	1.4	2.9	0.3
Iowa	5,026	5,026	-	0.5	1.5	-
Kansas	3,799	2,502	1,297	0.5	0.8	0.3
Minnesota	13,228	13,228	-	1.0	2.1	-
Missouri	50,305	42,820	7,485	3.4	5.0	1.2
Nebraska	6,084	5,865	219	1.2	3.2	0.1
North Dakota	...	...	...	...	...	...
South Dakota	390	278	112	0.1	0.8	0.0
Region VII	87,140	57,126	30,014	1.3	1.6	0.9
Arkansas	3,712	980	2,732	0.6	0.8	0.5
Louisiana	23,059	15,886	7,173	1.8	2.4	1.1
New Mexico	14,738	790	13,948	3.6	0.7	4.6
Oklahoma	4,526	2,394	2,132	0.6	0.6	0.5
Texas	41,105	37,076	4,029	1.1	1.6	0.3
Region VIII	27,538	9,989	17,549	1.6	1.3	1.9
Colorado	14,635	8,712	5,923	2.3	2.0	2.8
Idaho	6,112	634	5,478	2.3	1.8	2.4
Montana	1,403	-	1,403	0.5	-	0.7
Utah	5,388	643	4,745	1.4	0.3	3.7
Wyoming	...	...	...	...	...	...
Region IX	219,172	167,957	51,215	2.7	2.7	2.8
Arizona	11,950	9,423	2,527	2.3	2.6	1.6
California	172,000	141,800	30,200	3.2	3.0	4.0
Nevada	1,381	1,332	49	1.4	1.8	0.2
Oregon	3,853	1,804	2,049	0.6	0.6	0.6
Washington	14,205	4,941	9,264	1.4	0.8	2.4
Alaska	...	...	...	...	...	...
Hawaii	11,743	8,657	3,086	4.7	4.4	5.7
Guam	4,040	-	4,040	13.6	-	13.6

[1] Based on the 1960 census population under 18.

Table 13.--Public Health Nursing for Children, Number Served in Each Age Group--States: 1963

State	Total	Under 1 year	1-4 years	5-17 years	18-20 years	Age unknown
United States	[1] 2,831,362	791,263	860,318	1,142,966	25,724	15,163
Alabama	43,572	20,064	11,406	12,102	-	-
Alaska	7,975	2,936	3,240	1,799	-	-
Arizona	11,965	6,322	4,373	1,202	68	-
Arkansas	28,257	7,543	8,791	11,767	156	-
California	176,750	75,650	49,600	51,500	-	-
Colorado	39,157	11,232	9,054	14,498	4,373	-
Connecticut	1,585	399	815	371	-	-
Delaware	4,305	---	---	---	---	4,305
District of Columbia	---	---	---	---	---	---
Florida	148,250	29,847	34,155	84,248	-	-
Georgia	94,435	40,297	54,138	-	-	-
Guam	40,865	13,176	16,557	11,132	-	-
Hawaii	15,290	4,770	6,662	3,858	-	-
Idaho	11,214	2,753	2,802	9,336	367	-
Illinois	43,904	12,817	9,944	21,143	-	-
Indiana	14,119	347	705	13,080	15	-
Iowa	16,192	910	3,206	12,076	-	-
Kansas	13,072	2,602	3,717	6,321	432	-
Kentucky	48,904	13,276	15,304	20,324	-	-
Louisiana	57,765	18,949	19,920	18,358	538	-
Maine	21,640	3,372	5,818	11,924	526	-
Maryland	97,410	41,358	20,756	32,749	2,537	10
Massachusetts	98,797	32,970	37,290	27,271	1,266	-
Michigan	104,836	20,393	25,081	58,587	775	-
Minnesota	18,542	6,597	6,342	4,607	996	-
Mississippi	117,476	27,545	48,256	41,675	-	-
Missouri	49,662	17,005	23,320	9,337	-	-
Montana	12,023	1,800	2,164	8,059	-	-
Nebraska	---	---	---	---	---	---
Nevada	1,043	395	273	371	4	-
New Hampshire	6,603	1,260	2,530	2,813	-	-
New Jersey	...	...	...	...	...	...
New Mexico	59,483	14,259	14,042	28,981	2,201	-
New York	82,851	59,958	22,893	-	-	-
North Carolina	111,674	26,650	24,275	59,950	799	-
North Dakota	6,052	709	1,568	3,775	-	-
Ohio	128,676	29,328	23,288	65,212	-	10,848
Oklahoma	25,184	5,454	7,116	12,614	-	-
Oregon	42,732	2,991	4,242	35,499	-	-
Pennsylvania	64,295	28,458	21,753	13,315	769	-
Puerto Rico	115,771	15,918	22,274	77,579	-	-
Rhode Island	16,464	8,528	5,096	2,667	173	-
South Carolina	386,657	59,633	142,862	184,162	-	-
South Dakota	2,814	389	539	1,886	-	-
Tennessee	57,859	24,565	18,134	15,160	-	-
Texas	75,352	29,496	28,806	16,770	280	-
Utah	57,662	1,458	9,253	43,866	3,085	-
Vermont	7,527	741	1,611	4,849	326	-
Virgin Islands	5,074	1,765	2,233	1,048	28	-
Virginia	27,291	7,638	14,307	5,346	-	-
Washington	46,366	15,126	13,571	17,024	645	-
West Virginia	28,380	7,263	7,684	12,558	875	-
Wisconsin	135,043	33,987	47,927	48,785	4,344	-
Wyoming	2,547	364	625	1,412	146	-

[1] Total represents unduplicated count; separate age groups include some duplication. A child is counted for service only once in any one age group, but he may be counted in 2 age groups for the same calendar year.

Table 14.--Public Health Nursing for Children, Percent of Child Population Served in Each Age Group--States: 1963

State	Total	Under 1 year	1-4 years	5-17 years	18-20 years
United States	[1] 3.6	18.3	5.2	2.4	0.3
Alabama	2.9	26.4	3.7	1.3	-
Alaska	6.7	38.2	11.0	2.7	-
Arizona	1.8	17.0	2.8	0.3	0.1
Arkansas	3.5	18.2	5.2	2.4	0.2
California	2.5	19.9	3.2	1.2	-
Colorado	4.8	26.6	5.1	2.9	5.1
Connecticut	0.2	0.7	0.4	0.1	-
Delaware	2.1	---	---	---	---
District of Columbia	---	---	---	---	---
Florida	6.9	26.0	7.3	6.3	-
Georgia	5.1	40.5	13.8	-	-
Guam	120.4	508.3	201.1	59.2	-
Hawaii	4.8	26.8	9.9	2.1	-
Idaho	3.7	---	---	---	---
Illinois	1.1	5.7	1.1	0.8	-
Indiana	0.7	0.3	0.2	1.0	0.0
Iowa	1.4	1.6	1.3	1.7	-
Kansas	1.5	5.7	1.9	1.1	0.4
Kentucky	3.7	19.5	5.5	2.4	-
Louisiana	3.7	22.2	5.8	1.9	0.3
Maine	5.3	15.4	6.6	4.8	1.1
Maryland	6.9	53.2	6.8	3.7	1.7
Massachusetts	4.9	29.5	8.4	2.2	0.6
Michigan	3.1	11.4	3.4	2.7	0.2
Minnesota	1.2	8.2	1.9	0.5	0.7
Mississippi	11.0	48.0	21.6	6.3	-
Missouri	2.9	18.8	6.3	0.9	-
Montana	3.9	11.3	3.2	4.2	-
Nebraska	---	---	---	---	---
Nevada	0.7	4.2	0.7	0.4	0.0
New Hampshire	2.6	9.0	4.6	1.8	-
New Jersey	...	...	...	...	...
New Mexico	12.3	51.3	12.3	9.9	4.6
New York	1.3	16.9	1.6	-	-
North Carolina	5.3	24.8	5.7	4.6	0.3
North Dakota	2.1	4.7	2.5	2.1	-
Ohio	3.1	13.8	2.6	2.5	-
Oklahoma	2.6	10.9	3.6	2.1	-
Oregon	5.8	8.6	2.8	7.4	-
Pennsylvania	1.5	12.8	2.4	0.5	0.2
Puerto Rico	8.8	20.8	8.0	9.4	-
Rhode Island	4.8	46.8	7.0	1.3	0.5
South Carolina	33.0	102.3	59.4	25.3	-
South Dakota	0.9	2.3	0.8	1.0	-
Tennessee	3.7	30.7	5.7	1.6	-
Texas	1.7	12.3	3.0	0.6	0.1
Utah	12.4	5.8	8.8	15.2	6.7
Vermont	4.5	8.4	4.3	4.6	1.9
Virgin Islands	31.3	128.4	62.7	10.7	1.9
Virginia	1.5	7.9	3.8	0.5	-
Washington	3.8	24.8	5.3	2.2	0.5
West Virginia	3.7	20.3	5.3	2.6	1.0
Wisconsin	7.9	37.1	12.7	4.6	2.6
Wyoming	1.7	4.8	1.9	1.5	1.0

[1] Based on child population for all States. When computed in terms of 50 reporting States, percent is 3.7 (excludes Guam because of apparent discrepancies), U.S. rates by age group also exclude apparent discrepancies.

Table 15.--Percent of Total Population Without Water Fluoridation (Natural or Controlled) and Percent of Child Population Receiving Topical Fluoride Applications under MCH Programs--States: 1963

State	Percent of population without water fluoridation[1]	Percent of child population (age 1-17) receiving topical fluoride applications
United States	71.8	0.5
New Hampshire	97.3	0.4
Utah	97.1	---
Nevada	96.9	2.6
Maine	94.5	1.1
Arizona	93.1	---
New Jersey	93.1	0.0
Nebraska	92.9	---
Massachusetts	92.6	0.9
Oregon	90.0	0.0
Mississippi	89.5	0.2
California	89.4	...
Hawaii	87.8	---
New York	87.7	0.4
Louisiana	87.4	---
Washington	87.2	---
Vermont	86.0	---
South Carolina	85.9	2.4
Florida	81.6	0.0
Alabama	81.5	0.2
Michigan	81.3	2.8
Montana	81.2	0.2
Connecticut	76.9	0.5
South Dakota	76.7	---
Wyoming	75.6	---
Kansas	74.9	---
North Carolina	73.3	0.1
Arkansas	73.1	...
Texas	72.5	---
Georgia	72.3	---
Idaho	70.4	0.2
Ohio	69.6	0.1
Tennessee	68.9	0.2
Alaska	65.4	...
Kentucky	65.4	0.1
Pennsylvania	65.3	0.1
North Dakota	64.0	---
Oklahoma	62.3	...
Delaware	61.7	0.7
Minnesota	59.6	0.4
Virginia	58.0	0.3
Indiana	53.5	0.4
West Virginia	52.5	0.0
Iowa	52.1	---
Wisconsin	47.0	...
Missouri	44.0	0.1
Colorado	42.8	---
Illinois	39.2	0.2
Puerto Rico	38.5	---
New Mexico	37.6	---
Maryland	27.1	---
Rhode Island	21.7	---
District of Columbia	-	---
Guam	...	...
Virgin Islands	...	1.8

[1] Source: Public Health Service, Division of Dental Public Health and Resources, ANNUAL FLUORIDATION CENSUS REPORT, 1963

Table 16. --Dental Treatment for Children, Number Served and Percent of Population Served in Each Age Group--States: 1963

State	Number of children served			Percent of population served		
	Total	1-4 years	5-20 years	Total	1-4 years	5-20 years
United States	[1] 516,324	10,704	335,823	[2] 0.7	0.1	1.0
Alabama	8,554	448	8,106	0.6	0.1	0.7
Alaska	...	...	...	...	...	...
Arizona	428	97	331	0.1	0.1	0.1
Arkansas	...	...	...	...	...	...
California	...	...	...	...	...	...
Colorado	...	...	...	...	...	...
Connecticut	...	...	...	...	...	...
Delaware	3,480	---	---	1.8	---	---
District of Columbia	16,416	-	16,416	6.3	-	8.7
Florida	10,393	70	10,323	0.5	0.0	0.7
Georgia	114,212	---	---	6.5	---	---
Guam	...	...	...	...	...	...
Hawaii	...	...	...	...	...	...
Idaho	55	-	55	0.0	-	0.0
Illinois	5,951	172	5,779	0.2	0.0	0.2
Indiana	7,392	622	6,770	0.4	0.1	0.5
Iowa	...	...	...	...	...	...
Kansas	...	...	...	...	...	...
Kentucky	32,433	-	32,433	2.6	-	3.3
Louisiana	685	53	632	0.0	0.0	0.1
Maine	210	-	210	0.1	-	0.1
Maryland	13,477	-	13,477	1.0	-	1.3
Massachusetts	71,910	309	71,601	3.8	0.1	4.9
Michigan	33,476	568	32,908	1.0	0.1	1.3
Minnesota	1,996	-	1,996	0.1	-	0.2
Mississippi	...	...	...	...	...	...
Missouri	15,161	---	---	0.9	---	---
Montana	278	3	275	0.1	0.0	0.1
Nebraska	...	...	...	...	...	...
Nevada	2,254	378	1,876	1.5	1.0	1.7
New Hampshire	1,430	-	1,430	0.6	-	0.8
New Jersey	7,070	-	7,070	0.3	-	0.4
New Mexico	...	...	...	...	...	...
New York	6,711	---	---	0.1	---	---
North Carolina	21,761	-	21,761	1.1	-	1.4
North Dakota	...	...	...	...	...	...
Ohio	11,452	---	---	0.3	---	---
Oklahoma	2,625	141	2,484	0.3	0.1	0.3
Oregon	2,008	52	1,956	0.3	0.0	0.4
Pennsylvania	18,479	-	18,479	0.4	-	0.6
Puerto Rico	18,632	---	---	1.5	---	---
Rhode Island	8,327	5,541	2,786	2.6	7.6	1.1
South Carolina	7,918	436	7,482	0.7	0.2	0.9
South Dakota	...	...	...	...	...	...
Tennessee	26,794	919	25,875	1.8	0.3	2.2
Texas	4,759	421	4,338	0.1	0.0	0.1
Utah	...	...	...	...	...	...
Vermont	...	...	...	...	...	...
Virgin Islands	2,557	108	2,449	17.2	3.0	21.7
Virginia	29,126	-	29,126	1.7	-	2.2
Washington	110	-	110	0.0	-	0.0
West Virginia	5,826	-	5,826	0.8	-	1.0
Wisconsin	1,829	366	1,463	0.1	0.1	0.1
Wyoming	149	---	---	0.1	---	---

[1] Includes age unknown.

[2] Based on child population for all States. When computed in terms of 38 reporting States, percent is 0.9.

Table 17.--Children Served in Miscellaneous Special Category Clinics, by Type of Clinic, and Age--Reporting States: 1963

Type of clinic	All ages	Under 1 year	1-4 years	5-17 years	18-20 years	Age unknown
Total	91,735	4,578	6,300	17,547	404	62,906
Otologic	6,165	1	240	4,062	-	1,862
Michigan	4,303	1	240	4,062	-	-
Oregon	1,862	---	---	---	---	1,862
Speech and Hearing	4,494	6	55	4,321	32	80
Louisiana	2,933	-	12	2,889	32	-
Missouri	700	-	-	700	-	-
New York	334	-	15	319	-	-
Ohio	527	6	28	413	-	80
Eye	54,343	1	9	1,364	28	52,941
Louisiana	1,402	1	9	1,364	28	-
New York	52,941	---	---	---	---	52,941
Cardiac	5,900	54	196	918	35	4,697
Mississippi	81	9	9	63	-	-
New York	4,562	13	30	399	33	4,087
Ohio	1,224	27	149	438	-	610
West Virginia	33	5	8	18	2	-
Rheumatic Fever	413	6	46	315	46	-
Michigan	14	1	-	9	4	-
New York	207	-	10	155	42	-
Washington	192	5	36	151	-	-
Cystic Fibrosis	46	6	15	23	2	-
New Hampshire	46	6	15	23	2	-
Ringworm	2,808	24	696	2,087	1	-
District of Columbia	2,808	24	696	2,087	1	-
Child Health Nursing and Child Hygiene	5,765	1,957	3,480	328	-	-
New York	4,668	1,580	3,088	-	-	-
Oregon	1,097	377	392	328	-	-
Mental Health	701	-	53	648	-	-
Mississippi	701	-	53	648	-	-
Child Development and Evaluation	276	-	17	40	4	215
Georgia	215	---	---	---	---	215
Vermont	61	-	17	40	4	-
TBC Pediatrics	503	23	340	140	-	-
District of Columbia	503	23	340	140	-	-
Pediatric Diagnostic	170	11	39	120	-	-
New Hampshire	170	11	39	120	-	-
Convulsive Disorders	62	1	9	51	1	-
New Hampshire	62	1	9	51	1	-
Orthopedic	684	5	25	69	-	585
New York	684	5	25	69	-	585
Orthodontic Screening	167	---	---	---	---	167
New York	167	---	---	---	---	167
Dental Screening	2,359	---	---	---	---	2,359
New York	1,185	---	---	---	---	1,185
Utah	1,174	---	---	---	---	1,174
Premature	830	830	-	-	-	-
District of Columbia	147	147	-	-	-	-
Missouri	683	683	-	-	-	-
Allergy, Chest, Dermatology, Hematology, Surgery	2,333	1,256	589	488	-	-
Virginia	2,333	1,256	589	488	-	-
Athletes	52	-	-	50	2	-
Louisiana	52	-	-	50	2	-
Work Permit	2,007	-	-	2,007	-	-
New York	2,007	-	-	2,007	-	-
Special Clinic for Migrant Children	1,033	102	248	458	225	-
Colorado	757	102	191	239	225	-
New Jersey	276	-	57	219	-	-
Adolescent	84	-	-	56	28	-
Maine	84	-	-	56	28	-
Other Unspecified	540	295	243	2	-	-
New York	540	295	243	2	-	-

Table 18.--School Health Examinations and Screenings, Number Served and Percent of Population Served--United States: 1956-1963

Year	Examination by physician	Visual screening	Audiometer testing	Dental screening
	Number of children			
1956	2,215,517	3,587,255	2,497,459	2,427,258
1957	2,205,905	4,088,647	2,908,124	2,611,628
1958	2,590,897	5,048,304	3,471,485	2,868,568
1959	2,453,451	7,671,554	4,404,112	3,098,901
1960	2,395,149	7,022,421	4,311,874	2,896,630
1961	2,446,063	7,071,037	4,388,452	3,073,308
1962	2,436,337	7,504,763	4,789,908	3,130,884
1963	2,444,893	7,868,136	5,224,546	3,093,730
	Percent of population served[1]			
1956	5.7	9.2	6.4	6.2
1957	5.4	10.1	7.2	6.4
1958	6.2	12.0	8.2	6.8
1959	5.6	17.6	10.1	7.1
1960	5.3	15.6	9.6	6.4
1961	5.3	15.3	9.5	6.7
1962	5.2	16.1	10.3	6.7
Median 1956-62	5.4	15.3	9.5	6.7
1963	5.1	16.4	10.9	6.4

[1] Based on Census Bureau estimates of population 5-17 for all States.

Table 19. --School Health Examinations and Screenings, Number Served--States: 1963

State	Children examined by physician	Children screened by other personnel		
		Visual	Audiometer testing	Dental
United States	2,444,893	7,868,136	5,224,546	3,093,730
Alabama	6,757	61,080	29,320	2,297
Alaska	5,131	7,135	3,788	...
Arizona	3,207	5,308	74,242	2,241
Arkansas	1,407	76,779	72,776	6,431
California	38,500	197,200	177,000	155,500
Colorado	926	55,705	18,365	14,349
Connecticut	...	353	4,446	2,259
Delaware	18,111	...	...	1,587
District of Columbia	102,756	133,819	32,940	137,781
Florida	63,560	399,201	175,836	60,721
Georgia	26,738	276,958	135,730	31,278
Guam	1,615	685	433	...
Hawaii	226	...	6,805	...
Idaho	...	59,482	9,241	2,490
Illinois	18,525	162,465	97,606	...
Indiana	24,280	37,419	20,257	50,049
Iowa	233	67,851	5,940	2,926
Kansas	...	91,679	22,813	29,446
Kentucky	54,990	85,071	86,743	150,049
Louisiana	26,224	56,139	93,429	...
Maine	13,885	16,482	1,169	11,395
Maryland	48,342	155,850	122,277	96,329
Massachusetts	113,015	203,375	129,460	314,595
Michigan	12,502	564,602	487,802	11,822
Minnesota	...	93,484	90,777	13,358
Mississippi	21,284	43,164	7,651	24,935
Missouri	45,690	140,505	82,980	130,668
Montana	2,476	29,662	14,987	2,822
Nebraska	...	...	...	...
Nevada	310	1,905	1,051	11,479
New Hampshire	...	...	...	3,459
New Jersey	...	...	...	42,537
New Mexico	...	...	...	...
New York	619,672	158,608	75,437	321,454
North Carolina	111,331	116,779	25,567	202,031
North Dakota	542	42,265	24,276	...
Ohio	108,529	523,708	214,586	118,589
Oklahoma	13,908	109,563	77,351	12,239
Oregon	14,401	47,903	171,658	41,877
Pennsylvania	710,795	2,509,458	1,987,076	778,832
Puerto Rico	72,296	10,269	...	55,315
Rhode Island	...	...	...	...
South Carolina	...	88,959	...	26,500
South Dakota	...	1,226	1,182	5,876
Tennessee	46,875	65,995	...	89,903
Texas	1,833	982,667	479,705	2,209
Utah	2,203	53,079	9,276	7,739
Vermont	4,681	5,534	4,547	...
Virgin Islands	4,027	579	...	...
Virginia	21,536	10,617	10,602	73,462
Washington	5,525	65,427	73,183	...
West Virginia	937	23,115	6,082	11,824
Wisconsin	55,112	26,151	57,236	3,692
Wyoming	...	2,876	918	29,385

Table 20.--School Children Examined by Physician, Number and Percent According to Presence or Absence of Parent--States: 1963

State	Total Examined	Parent present		Parent absent	
		Number	Percent	Number	Percent
United States	[1] 2,444,893	510,086	21.0	1,794,690	73.8
Alabama	6,757	4,487	66.4	2,270	33.6
Alaska	5,131	449	8.8	4,682	91.2
Arizona	3,207	107	3.3	3,100	96.7
Arkansas	1,407	733	52.1	674	47.9
California	38,500	---	---	---	---
Colorado	926	346	37.4	580	62.6
Connecticut	...	...	...	...	...
Delaware	18,111	1,006	5.6	17,105	94.4
District of Columbia	102,756	4,308	4.2	98,448	95.8
Florida	63,560	29,446	46.3	34,114	53.7
Georgia	26,738	6,751	25.2	19,987	74.8
Guam	1,615	1,399	86.6	216	13.4
Hawaii	226	226	100.0	-	-
Idaho	...	...	...	...	...
Illinois	18,525	10,365	58.0	7,499	42.0
Indiana	24,280	---	---	---	---
Iowa	233	---	---	---	---
Kansas	...	...	...	...	...
Kentucky	54,990	11,767	21.4	43,223	78.6
Louisiana	26,224	19,382	73.9	6,842	26.1
Maine	13,885	1,538	11.1	12,347	88.9
Maryland	48,342	6,847	14.2	41,495	85.8
Massachusetts	113,015	9,773	8.6	103,242	91.4
Michigan	12,502	5,681	45.4	6,821	54.6
Minnesota	...	...	...	...	...
Mississippi	21,284	6,335	29.8	14,949	70.2
Missouri	45,690	21,296	46.6	24,394	53.4
Montana	2,476	1,570	63.4	906	36.6
Nebraska	...	...	...	...	...
Nevada	310	5	1.6	305	98.4
New Hampshire	...	...	...	...	...
New Jersey	...	...	...	...	...
New Mexico	...	...	...	...	...
New York	619,672	98,818	16.2	512,212	83.8
North Carolina	111,331	55,314	49.7	56,017	50.3
North Dakota	542	458	84.5	84	15.5
Ohio	108,529	14,380	13.9	89,188	86.1
Oklahoma	13,908	5,130	36.9	8,778	63.1
Oregon	14,401	3,662	25.4	10,739	74.6
Pennsylvania	710,795	76,642	10.8	634,153	89.2
Puerto Rico	72,296	62,984	87.1	9,312	12.9
Rhode Island	...	...	...	...	...
South Carolina	...	...	...	...	...
South Dakota	...	...	...	...	...
Tennessee	46,875	23,448	50.0	23,427	50.0
Texas	1,833	1,303	71.1	530	28.9
Utah	2,203	---	---	---	---
Vermont	4,681	2,054	43.9	2,627	56.1
Virgin Islands	4,027	521	12.9	3,506	87.1
Virginia	21,536	21,536	100.0	-	-
Washington	5,525	---	---	---	---
West Virginia	937	19	2.0	918	98.0
Wisconsin	55,112	---	---	---	---
Wyoming	...	...	...	...	...

[1] Includes parent information unknown.

Table 21.--Number of Children Referred or Not Referred at School Health Examinations, With Completion or No Completion of Referral According to Presence or Absence of Parent--Five States: 1963

Presence of parent	Examination of children			Referral of children	
	Total	Referred	Not referred	Completed	Not completed
Colorado	926	105	821	48	57
Parent present	346	12	334	10	2
Parent absent	580	93	487	38	55
Florida	63,560	6,615	56,945	2,889	3,726
Parent present	29,446	3,191	26,255	2,157	1,034
Parent absent	34,114	3,424	30,690	732	2,692
Tennessee	46,875	8,436	38,439	727	7,709
Parent present	23,448	5,572	17,876	383	5,189
Parent absent	23,427	2,864	20,563	344	2,520
Texas	1,833	201	1,632	65	136
Parent present	1,303	98	1,205	55	43
Parent absent	530	103	427	10	93
West Virginia	937	25	912	10	15
Parent present	19	5	14	1	4
Parent absent	918	20	898	9	11

Table 22.--School Children Examined by Physician, Percent Referred for further Diagnosis or Treatment, and Percent of Referrals Completed--17 States Reporting Complete Data: 1963

State	Children examined	Children referred for further diagnosis or treatment		Children completing referral	
		Number	Percent of number examined	Number	Percent of number referred
Total	1,154,092	215,720	18.7	88,686	41.1
Alabama	6,757	136	2.0	77	56.6
Arizona	3,207	49	1.5	11	22.4
Colorado	926	105	11.3	48	45.7
Florida	63,560	6,615	10.4	2,889	43.7
Illinois	18,525	868	4.7	279	32.1
Massachusetts	113,015	22,216	19.7	11,810	53.2
Michigan	12,502	1,297	10.4	148	11.4
Missouri	45,690	21,951	48.0	8,810	40.1
Nevada	310	170	54.8	4	2.4
Ohio	108,529	30,616	28.2	4,267	13.9
Oregon	14,401	2,870	19.9	663	23.1
Pennsylvania	710,795	118,845	16.7	58,521	49.2
Tennessee	46,875	8,436	18.0	727	8.6
Texas	1,833	201	11.0	65	32.3
Utah	2,203	287	13.0	50	17.4
Virgin Islands	4,027	1,033	25.7	307	29.7
West Virginia	937	25	2.7	10	40.0

Table 23.--School Children Screened for Visual Defects, Percent Referred for Diagnosis or Treatment, and Percent of Referrals Completed--25 States Reporting Complete Data: 1963

State	Children screened	Children referred for diagnosis or treatment		Children completing referral	
		Number	Percent of number screened	Number	Percent of number referred
United States.....	6,005,755	565,953	9.4	331,664	58.6
Alabama.....	61,080	3,498	5.7	790	22.6
Arizona.....	5,308	567	10.7	137	24.2
Arkansas.....	76,779	5,540	7.2	1,945	35.1
Colorado.....	55,705	11,536	20.7	5,471	47.4
Florida.....	399,201	32,469	8.1	12,418	38.2
Georgia.....	276,958	23,085	8.3	11,997	52.0
Illinois.....	162,465	25,620	15.8	11,482	44.8
Indiana.....	37,419	2,479	6.6	2,279	91.9
Kansas.....	91,679	9,160	10.0	4,052	44.2
Kentucky.....	85,071	6,488	7.6	2,445	37.7
Maine.....	16,482	1,007	6.1	464	46.1
Massachusetts.....	203,375	16,502	8.1	11,607	70.3
Minnesota.....	93,484	14,419	15.4	14,069	97.6
Missouri.....	140,505	4,651	3.3	4,019	86.4
Nevada.....	1,905	551	28.9	94	17.1
Ohio.....	523,708	53,191	10.2	29,969	56.3
Oregon.....	47,903	12,546	26.2	4,856	38.7
Pennsylvania.....	2,509,458	234,665	9.4	164,400	70.1
South Carolina.....	88,959	5,655	6.4	2,654	46.9
Tennessee.....	65,995	13,018	19.7	5,612	43.1
Texas.....	982,667	77,406	7.9	36,793	47.5
Utah.....	53,079	6,310	11.9	2,386	37.8
Virgin Islands.....	579	88	15.2	54	61.4
West Virginia.....	23,115	4,630	20.0	1,293	27.9
Wyoming.....	2,876	872	30.3	378	43.3

Table 24.--School Children Receiving Audiometer Tests, Percent Referred for Diagnosis or Treatment, and Percent of Referrals Completed--23 States Reporting Complete Data: 1963

State	Children tested	Children referred for diagnosis or treatment		Children completing referral	
		Number	Percent of number tested	Number	Percent of number referred
United States.....	4,380,417	127,919	2.9	56,227	44.0
Alabama.....	29,320	1,211	4.1	225	18.6
Arizona.....	74,242	895	1.2	284	31.7
Arkansas.....	72,776	1,492	2.1	429	28.8
Colorado.....	18,365	1,232	6.7	447	36.3
Connecticut.....	4,446	316	7.1	227	71.8
Florida.....	175,836	5,529	3.1	1,785	32.3
Georgia.....	135,730	6,853	5.0	3,315	48.4
Illinois.....	97,606	4,130	4.2	615	14.9
Kansas.....	22,813	1,249	5.5	803	64.3
Kentucky.....	86,743	504	0.6	109	21.6
Maine.....	1,169	9	0.8	7	77.8
Massachusetts.....	129,460	4,276	3.3	3,096	72.4
Michigan.....	487,802	9,133	1.9	7,581	83.0
Minnesota.....	90,777	24,463	26.9	1,016	4.2
Missouri.....	82,980	201	0.2	182	90.5
Nevada.....	1,051	32	3.0	4	12.5
Ohio.....	214,586	4,823	2.2	2,376	49.3
Oregon.....	171,658	7,411	4.3	2,124	28.7
Pennsylvania.....	1,987,076	39,694	2.0	27,316	68.8
Texas.....	479,705	13,656	2.8	4,135	30.3
Utah.....	9,276	389	4.2	96	24.7
West Virginia.....	6,082	378	6.2	39	10.3
Wyoming.....	918	43	4.7	16	37.2

Table 25.--School Children Screened for Dental Defects, Percent Referred for Diagnosis or Treatment, and Percent of Referrals Completed--18 States Reporting Complete Data: 1963

State	Children screened	Referred for diagnosis or treatment		Children completing referral	
		Number	Percent of number screened	Number	Percent of number referred
United States.....	963,252	366,180	38.0	194,092	53.0
Alabama.....	2,297	806	35.1	83	10.3
Arizona.....	2,241	824	36.8	62	7.5
Colorado.....	14,349	5,386	37.5	1,818	33.8
Florida.....	60,721	28,739	47.3	8,985	31.3
Georgia.....	31,278	31,246	99.9	13,892	44.5
Idaho.....	2,490	486	19.5	453	93.2
Kansas.....	29,446	13,467	45.7	6,159	45.7
Kentucky.....	150,049	10,804	7.2	5,750	53.2
Massachusetts.....	314,595	113,035	35.9	74,243	65.7
Minnesota.....	13,358	13,358	100.0	12,000	89.8
New Hampshire.....	3,459	338	9.8	335	99.1
New Jersey.....	42,537	7,077	16.6	4,044	57.1
Ohio.....	118,589	29,720	25.1	11,741	39.5
Oregon.....	41,877	18,958	45.3	5,538	29.2
South Carolina.....	26,500	22,332	84.3	17,865	80.0
Tennessee.....	89,903	60,634	67.4	27,205	44.9
Utah.....	7,739	3,356	43.4	1,990	59.3
West Virginia.....	11,824	5,614	47.5	1,929	34.4

Table 26. --Children Receiving Smallpox Vaccination, Number Served in Each Age Group--States: 1963

State	Total	Original vaccination				Revaccinations
		Under 1 year	1-4 years	5-20 years	Age unknown	
United States	1,696,030	279,044	502,500	762,632	151,854	895,621
Alabama	57,398	5,714	9,828	41,856	-	7,832
Alaska	3,259	1,369	1,142	748	-	5,126
Arizona	7,102	2,199	1,886	3,017	-	8,705
Arkansas	27,103	2,859	4,438	19,806	-	8,341
California	130,000	34,000	37,000	59,000	-	149,000
Colorado	20,587	1,063	7,426	12,098	-	11,837
Connecticut	546	161	316	69	-	129
Delaware	3,777	592	876	2,309	-	5,948
District of Columbia	8,926	3,173	5,501	252	-	---
Florida	58,233	9,534	16,906	31,793	-	44,732
Georgia	82,480	---	---	---	82,480	---
Guam	1,520	620	575	325	-	2,090
Hawaii	1,165	552	546	67	-	1,542
Idaho	3,905	661	1,045	2,199	-	3,992
Illinois	9,962	2,492	2,744	4,726	-	10,240
Indiana	4,436	88	2,402	1,946	-	1,058
Iowa	4,888	554	1,417	2,917	-	2,961
Kansas	50,816	---	---	---	50,816	12,704
Kentucky	47,896	1,950	15,139	22,466	8,341	18,009
Louisiana	88,654	8,794	17,697	62,163	-	5,338
Maine	10,666	993	2,888	6,785	-	8,463
Maryland	27,781	11,788	11,836	4,157	-	1,657
Massachusetts	16,310	3,817	7,099	2,921	2,473	7,193
Michigan	35,723	8,934	13,953	12,836	-	49,183
Minnesota	18,267	2,170	4,065	12,032	-	41,478
Mississippi	43,440	7,952	9,647	25,841	-	33,340
Missouri	52,875	9,582	11,392	31,901	-	35,653
Montana	1,495	277	621	597	-	2,919
Nebraska	1,121	---	---	---	1,121	---
Nevada	2,745	551	991	1,203	-	2,499
New Hampshire	1,353	---	---	---	1,353	526
New Jersey	2,262	725	1,362	175	-	---
New Mexico	11,081	2,471	5,275	3,335	-	12,974
New York	285,979	90,655	177,708	17,616	-	84,865
North Carolina	77,867	8,130	16,663	53,074	-	26,105
North Dakota	4,656	698	-	-	3,958	8,787
Ohio	44,956	4,432	12,636	26,576	1,312	22,819
Oklahoma	16,741	1,629	4,390	10,722	-	6,409
Oregon	11,822	2,433	3,101	6,288	-	43,587
Pennsylvania	15,797	2,688	6,133	6,976	-	899
Puerto Rico	64,301	3,858	8,842	51,601	-	30,765
Rhode Island	198	37	112	49	-	---
South Carolina	57,822	1,647	7,601	48,574	-	---
South Dakota	6,522	312	755	5,455	-	2,482
Tennessee	57,063	11,826	15,708	29,529	-	27,301
Texas	101,743	10,705	25,092	65,946	-	53,151
Utah	4,998	826	1,282	2,890	-	11,997
Vermont	2,676	208	906	1,562	-	7,770
Virgin Islands	587	238	313	36	-	32
Virginia	21,975	3,164	5,757	13,054	-	2,374
Washington	12,453	2,300	3,627	6,526	-	26,068
West Virginia	20,479	2,040	6,095	12,344	-	2,163
Wisconsin	49,274	5,540	9,626	34,108	-	41,357
Wyoming	349	43	140	166	-	1,221

Table 27.--Children Receiving Diphtheria Immunization, Number Served in Each Age Group--States: 1963

State	Basic series					Boosters
	Total	Under 1 year	1-4 years	5-20 years	Age unknown	
United States	1,854,161	552,446	576,182	590,479	135,054	2,419,844
Alabama	39,754	18,663	10,999	10,092	-	86,580
Alaska	3,368	1,736	1,233	399	-	7,639
Arizona	7,748	3,465	2,265	2,018	-	5,927
Arkansas	24,113	6,645	5,577	11,891	-	31,169
California	124,500	60,300	30,700	33,500	-	473,000
Colorado	9,975	3,088	2,032	4,855	-	24,514
Connecticut	497	261	216	20	-	943
Delaware	2,852	1,225	645	982	-	5,977
Dist. of Columbia	9,731	7,239	2,419	73	-	21,185
Florida	68,008	19,527	19,913	28,568		88,796
Georgia	178,194	27,384	53,002	97,808	-	---
Guam	1,596	929	481	186	-	2,007
Hawaii	2,550	1,636	830	84	-	3,358
Idaho	3,266	1,115	779	-	1,372	7,270
Illinois	12,801	3,637	2,828	6,336	-	22,347
Indiana	7,225	2,503	1,931	2,791	-	3,666
Iowa	4,519	1,196	1,285	2,038	-	8,094
Kansas	99,619	---	---	---	99,619	40,666
Kentucky	78,438	9,192	12,840	29,945	26,461	89,537
Louisiana	57,537	31,788	12,883	12,866	-	160,461
Maine	7,668	1,762	1,854	3,291	761	16,578
Maryland	40,256	21,722	16,366	2,168	-	22,824
Massachusetts	24,543	11,703	5,492	6,372	976	69,596
Michigan	35,913	11,381	17,035	7,497	-	71,510
Minnesota	23,801	3,994	7,415	12,392	-	77,988
Mississippi	56,599	20,552	14,012	22,035	-	116,038
Missouri	56,170	10,452	11,649	34,069	-	63,682
Montana	1,366	450	488	428	-	4,184
Nebraska	8,190	740	888	6,562	-	---
Nevada	2,026	834	656	536	-	3,056
New Hampshire	1,181	784	202	195	-	3,674
New Jersey	2,135	1,125	944	66	-	1,856
New Mexico	12,805	5,104	4,386	3,315	-	22,334
New York	291,575	95,675	185,189	10,711	-	134,151
North Carolina	70,776	23,917	22,579	24,280	-	104,427
North Dakota	4,844	663	---	---	4,181	20,122
Ohio	59,117	20,070	17,800	19,563	1,684	60,057
Oklahoma	15,003	5,308	5,181	4,514	-	34,108
Oregon	10,981	3,310	3,002	4,669	-	43,310
Pennsylvania	64,447	8,655	6,008	49,784	-	45,267
Puerto Rico	56,870	15,767	11,843	29,260	-	24,895
Rhode Island	9,901	430	280	9,191	-	14,842
South Carolina	24,292	10,194	8,647	5,451	-	33,491
South Dakota	2,689	310	664	1,715	-	7,150
Tennessee	44,625	21,678	15,285	7,662	-	72,603
Texas	85,863	21,155	23,305	41,403	-	92,879
Utah	7,563	1,052	1,312	5,199	-	16,046
Vermont	996	160	373	463	-	7,742
Virgin Islands	765	349	407	9	-	276
Virginia	36,119	9,572	11,991	14,556	-	10,206
Washington	15,774	7,783	4,951	3,040	-	36,268
West Virginia	20,559	5,126	6,847	8,586	-	12,728
Wisconsin	22,145	9,029	6,216	6,900	-	91,212
Wyoming	313	111	57	145	-	1,608

Table 28.--Children Receiving Pertussis Immunization, Number Served in Each Age Group--States: 1963

State	Basic series					Boosters
	Total	Under 1 year	1-4 years	5-20 years	Age unknown	
United States	1,435,337	554,047	564,881	243,694	72,715	1,063,631
Alabama	37,505	18,642	10,614	8,249	-	81,582
Alaska	3,285	1,679	1,317	289	-	4,808
Arizona	6,570	3,454	2,194	922	-	4,517
Arkansas	13,442	6,548	4,975	1,919	-	16,069
California	103,500	59,900	30,250	13,350	-	108,300
Colorado	5,494	3,053	1,990	451	-	5,789
Connecticut	497	261	216	20	-	943
Delaware	2,852	1,225	645	982	-	5,977
District of Columbia	9,712	7,230	2,410	72	-	21,165
Florida	44,911	19,576	19,743	5,592	-	39,280
Georgia	124,850	27,268	52,155	45,427	-	---
Guam	1,403	928	461	14	-	1,101
Hawaii	2,550	1,636	830	84	-	3,358
Idaho	2,075	1,115	---	---	960	2,665
Illinois	9,667	3,658	2,835	3,174	-	11,641
Indiana	3,771	2,347	1,274	150	-	382
Iowa	3,359	1,159	1,209	991	-	2,639
Kansas	49,310	---	---	---	49,310	16,435
Kentucky	42,973	9,092	11,735	5,193	16,953	30,919
Louisiana	48,132	31,644	12,685	3,803	-	97,503
Maine	4,937	1,759	1,731	686	761	5,146
Maryland	39,851	21,722	16,324	1,805	-	22,004
Massachusetts	19,878	11,638	5,320	2,046	874	16,417
Michigan	30,924	11,197	12,597	7,130	-	28,748
Minnesota	10,923	3,198	7,443	282	-	9,082
Mississippi	38,218	20,292	13,388	4,538	-	39,022
Missouri	24,309	10,420	11,443	2,446	-	14,864
Montana	1,137	449	440	248	-	2,267
Nebraska	---	---	---	---	---	---
Nevada	1,804	821	628	355	-	2,162
New Hampshire	434	190	202	42	-	1,717
New Jersey	2,135	1,125	944	66	-	1,856
New Mexico	10,127	5,075	4,338	714	-	7,729
New York	287,208	95,630	185,005	6,573	-	46,608
North Carolina	63,795	24,035	22,411	17,349	-	74,427
North Dakota	3,266	662	---	---	2,604	7,405
Ohio	53,081	20,058	17,623	14,147	1,253	34,813
Oklahoma	9,889	5,102	4,787	-	-	12,244
Oregon	7,366	3,347	2,731	1,288	-	9,843
Pennsylvania	28,259	8,361	5,688	14,210	-	14,086
Puerto Rico	56,870	15,767	11,843	29,260	-	24,895
Rhode Island	2,543	430	280	1,833	-	7,484
South Carolina	23,274	10,170	8,579	4,525	-	30,907
South Dakota	1,039	310	320	409	-	2,461
Tennessee	44,625	21,678	15,285	7,662	-	72,603
Texas	59,745	24,417	22,455	12,873	-	52,030
Utah	5,240	1,049	1,268	2,923	-	6,558
Vermont	558	159	352	47	-	1,919
Virgin Islands	765	349	407	9	-	276
Virginia	34,750	12,197	14,942	7,611	-	9,970
Washington	13,879	7,767	4,913	1,199	-	14,741
West Virginia	20,559	5,126	6,847	8,586	-	12,728
Wisconsin	17,876	9,027	6,760	2,089	-	21,211
Wyoming	215	105	49	61	-	335

Table 29.--Children Receiving Tetanus Immunization, Number Served in Each Age Group--States: 1963

State	Basic series					Boosters
	Total	Under 1 year	1-4 years	5-20 years	Age unknown	
United States	1,989,212	551,232	572,749	730,405	134,826	2,599,359
Alabama	47,479	18,675	11,031	17,773	-	129,507
Alaska	3,354	1,736	1,219	399	-	7,697
Arizona	7,678	3,456	2,077	2,145	-	6,160
Arkansas	24,113	6,645	5,577	11,891	-	31,169
California	123,450	59,400	30,300	33,750	-	458,100
Colorado	9,964	3,082	2,029	4,853	-	24,443
Connecticut	497	261	216	20	-	943
Delaware	2,852	1,225	645	982	-	5,977
District of Columbia	9,717	7,232	2,411	74	-	21,173
Florida	85,841	19,678	20,001	46,162	-	121,663
Georgia	178,091	27,354	52,990	97,747	-	---
Guam	1,534	929	421	184	-	2,096
Hawaii	2,550	1,636	830	84	-	3,358
Idaho	3,266	1,115	779	235	1,137	7,270
Illinois	12,792	3,628	2,796	6,368	-	22,530
Indiana	7,225	2,503	1,931	2,791	-	3,666
Iowa	4,693	1,174	1,292	2,227	-	7,465
Kansas	99,619	---	---	---	99,619	40,666
Kentucky	80,315	9,188	12,824	31,842	26,461	93,648
Louisiana	57,468	31,753	12,824	12,891	-	160,625
Maine	7,682	1,762	1,861	3,298	761	18,350
Maryland	40,256	21,722	16,366	2,168	-	22,824
Massachusetts	24,556	11,703	5,492	6,381	980	69,596
Michigan	35,873	11,081	17,095	7,697	-	72,287
Minnesota	17,399	3,992	3,429	9,978	-	75,593
Mississippi	56,570	20,551	13,982	22,037	-	116,094
Missouri	56,170	10,452	11,649	34,069	-	63,682
Montana	1,371	456	484	431	-	3,952
Nebraska	---	---	---	---	---	---
Nevada	2,026	834	656	536	-	3,059
New Hampshire	1,190	784	202	204	-	3,831
New Jersey	2,135	1,125	944	66	-	1,856
New Mexico	12,805	5,104	4,386	3,315	-	22,334
New York	291,575	95,675	185,189	10,711	-	134,158
North Carolina	78,860	23,895	22,485	32,480	-	119,743
North Dakota	4,844	663	---	---	4,181	20,122
Ohio	59,260	20,072	17,833	19,668	1,687	60,666
Oklahoma	15,003	5,308	5,181	4,514	-	34,108
Oregon	10,792	3,276	2,777	4,739	-	42,910
Pennsylvania	63,746	8,580	6,014	49,152	-	44,934
Puerto Rico	56,870	15,767	11,843	29,260	-	24,895
Rhode Island	9,901	430	280	9,191	-	14,842
South Carolina	31,640	10,201	8,928	12,511	-	46,698
South Dakota	2,689	310	664	1,715	-	7,150
Tennessee	53,376	21,678	15,285	16,413	-	134,545
Texas	87,120	21,687	23,206	42,227	-	99,535
Utah	13,074	2,108	2,583	8,383	-	23,935
Vermont	1,079	160	378	541	-	13,104
Virgin Islands	765	349	407	9	-	276
Virginia	36,176	8,791	12,300	15,085	-	7,930
Washington	15,774	7,783	4,951	3,040	-	36,268
West Virginia	20,559	5,126	6,847	8,586	-	12,728
Wisconsin	115,265	9,026	6,802	99,437	-	97,590
Wyoming	313	111	57	145	-	1,608

Table 30.--Children Receiving Typhoid Immunization, Number Served in Each Age Group--Reporting States: 1963

State	Basic series					Boosters
	Total	Under 1 year	1-4 years	5-20 years	Age unknown	
Total.....	448,377	7,522	48,286	220,415	172,154	409,361
Alabama.....	23,714	87	3,746	19,881	-	118,951
Arizona.....	1,063	31	87	945	-	2,178
Arkansas.....	22,792	593	4,974	17,225	-	29,604
Florida.....	38,476	699	7,242	30,535	-	43,516
Georgia.....	130,311	---	---	---	130,311	---
Guam.....	21,752	1,893	6,205	13,654	-	830
Hawaii.....	2,286	955	1,188	143	-	2,670
Idaho.....	231	10	42	179	-	55
Kentucky.....	49,581	1,056	6,866	40,608	1,051	72,852
Louisiana.....	7,202	247	1,341	5,614	-	15,952
Michigan.....	2,711	1,331	906	474	-	1,928
Missouri.....	1,382	18	155	1,209	-	2,535
Montana.....	257	3	6	17	231	2,095
Nevada.....	142	3	8	131	-	167
Ohio.....	2,085	98	357	1,427	203	278
Oregon.....	2,122	---	---	---	2,122	---
Pennsylvania.....	82	-	-	82	-	144
Puerto Rico.....	1,875	85	825	965	-	416
South Carolina.....	32,158	91	3,506	28,561	-	59,436
Tennessee.....	38,236	---	---	---	38,236	---
Texas.....	36,633	321	8,805	27,507	-	48,221
Virgin Islands.....	32	-	-	32	-	---
West Virginia.....	33,056	-	2,022	31,034	-	7,514
Wisconsin.....	198	1	5	192	-	19

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